

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 6 | 27364 | 92836 | 09428 | 01208 | 14982 | 46498 | 32764 | 31277 | |
| 86 | 40932 | 70987 | 32123 | 49817 | 26346 | 81287 | 65491 | 87364 | 8 |
| 721 | 75654 | 55656 | 12737 | 72727 | 72727 | 91918 | 63473 | 67867 | 7 |
| 723 | 87629 | 37677 | 32612 | 53498 | 71296 | 28756 | 18276 | 98716 | 87 |
| 269 | 76329 | 74698 | 76857 | 98670 | 27601 | 56701 | 57601 | 73648 | 1 |
| 791 | 87364 | 87265 | 96710 | 27630 | 12673 | 84769 | 28743 | 98127 | 7 |
| 8 | 63298 | 75698 | 27465 | 87326 | 49876 | 28376 | 81273 | 98615 | |
| 7 | 87432 | 74328 | 78674 | 29867 | 32867 | 67867 | 86786 | 43286 | 87 |
| 17 | 68768 | 68763 | 34234 | 34238 | 68768 | 62342 | 48273 | 48768 | 2 |
| 26 | 98432 | 32432 | 86743 | 43286 | 43286 | 43286 | 43286 | 43286 | 43 |
| 243 | 86743 | 86743 | 39867 | 32867 | 86743 | 43286 | 43286 | 43243 | 86 |
| 8 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 4 |
| 99 | 98798 | 98754 | 98754 | 98754 | 98754 | 29867 | 67543 | 67986 | 9 |
| 6 | 87698 | 69876 | 87698 | 69876 | 87612 | 12341 | 34867 | 86798 | 6 |
| 7 | 43298 | 65656 | 56756 | 56123 | 32143 | 14321 | 32143 | 14321 | 31 |
| 707 | 58767 | 76587 | 58765 | 76587 | 58765 | 76587 | 58765 | 76587 | 58 |

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #256, January 2019

Editor: Ary Boender email: udxf@udxf.nl
Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



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FOREWORD

Welcome to the first issue of Numbers & Oddities in 2019.

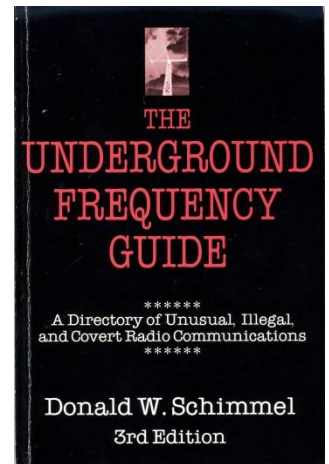
I have to begin with sad news. One of my oldest radio friends, Don Schimmel, passed away on 5 January 2019. My first contact with Don dates back to the mid 1980's.

I sent him my logs for his column in Popular Communications and also contributed to his book "The Underground Frequency Guide. A Directory of Unusual, Illegal and Covert Radio Communications".

After a long time of almost daily emails I lost contact with Don in November 2017 and wasn't able to reach him in any way. I had no idea what was wrong although I had a bad feeling. It has bothered me ever since, and I was glad that Gary sent me the obituary. Now I finally know what happened.

Rest in peace my friend !

Ary Boender



Obituary

It is with much sadness I announce the death of my SWL Elmer, neighbor and good friend, Don Schimmel, 91. Don passed away at his Hedgesville, WV house.

Don served his country first in the US Navy as a communications guy, then a career at the Central Intelligence Agency where he again was a communications expert. Don served at several locations in Central and South America. Don spent his retirement years in the communications/radio area. He was a "Scanner Scum" with others from the NASWA group. He wrote for Popular Communications and also wrote a small monthly article called Radio Intrigue for Dxing.com, a publication of Universal Radio.

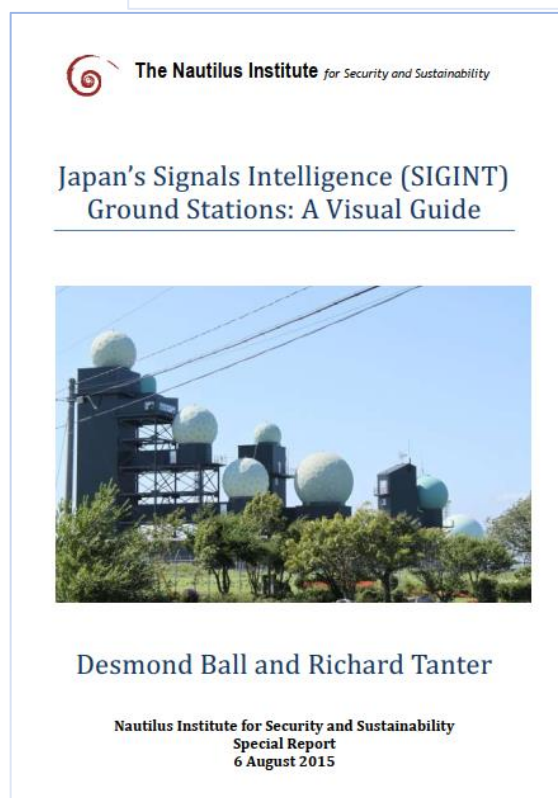
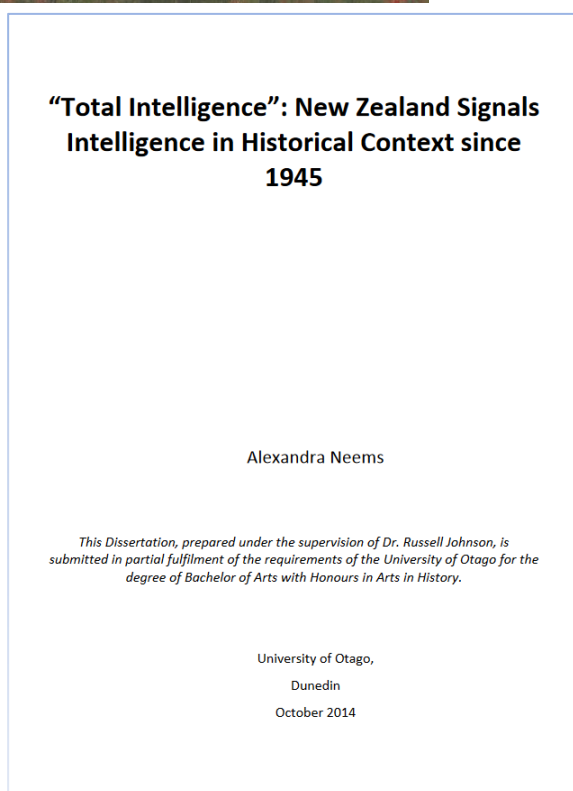
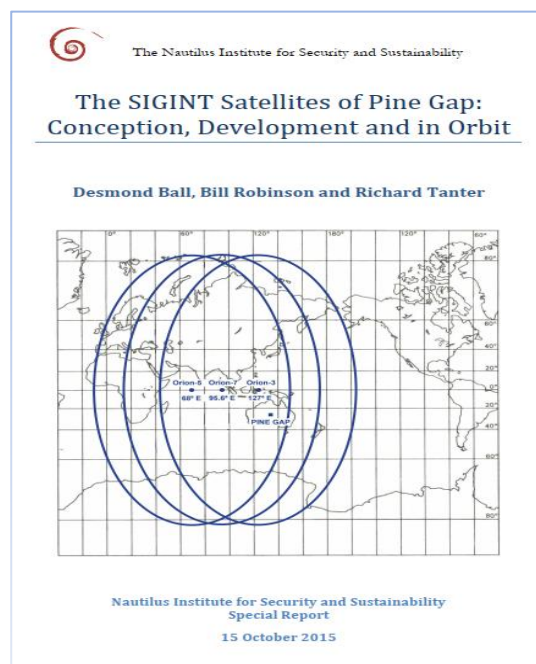
Don got me interested in SWL and introduced me to the NASWA group where we later attended several meetings of the group.

Don gravitated to focusing on the Cuban numbers stations and until a few months before his death, he would tune them in. He was a frequent reader of UXDF information.

Don remained in good health and spirits until past his 90th birthday. He will be missed by the community, but, more importantly, he will be missed by me.

Gary Donnelly

I found more interesting intelligence books for you. All are free pdf versions. I hope that you will enjoy them.



Japan's SIGINT Ground Stations

<http://nautilus.org/wp-content/uploads/2015/08/Japan-SIGINT-Ground-Stations-online.pdf>

Pine Gap SIGINT satellites

<http://nautilus.org/wp-content/uploads/2015/10/PG-SIGINT-Satellites.pdf>

Lifting the lid on Menwith Hill

<http://www.statewatch.org/news/2012/mar/uk-menwith-hill-lifting-the-lid.pdf>

"Total Intelligence", New Zealand Signals Intelligence in Historic Context since 1945

<https://bootcampmilitaryfitnessinstitute.com/wp-content/uploads/2016/05/total-intelligence-new-zealand-signals-intelligence-in-historical-context-since-1945-neems-2014.pdf>

VOICE STATIONS

E06

16350 kHz, 03-01, 0600 UTC

13945/16350 kHz, 04-01, 0600/0700 UTC

139 780 52
17139 57131 83495 74108 78461 77275 64652 45941 88686 80340
35281 53634 90023 52055 72442 99448 54601 29710 20759 72398
31953 58299 66899 89303 98539 56923 65332 92295 89022 93882
07529 63607 13955 93894 51814 43585 93591 25880 56059 62855
62494 44759 80377 24601 24631 85676 52038 97859 63648 34118
09773 07805
780 52 00000

4836 kHz, 03-01, 1930 UTC

321 199 42
56712 87190 57901 43598 78122 78901 32492 43291 78932 31249
23453 45397 08014 98943 08205 75002 19054 45303 98073 14954
87639 14053 01384 13405 13445 89035 09713 18374 89563 78913
31754 31434 03185 13454 45659 90723 90753 32455 90790 02750
34584 03823
199 42 00000

4760 kHz, 04-01, 2130 UTC

472 967 42
45678 68475 69385 39620 49385 58736 37233 65864 28376 29395
48638 34693 23852 23468 34679 34689 32929 23658 24368 26722
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648
23936 26389
967 42 0000

13413 kHz, 14-01, 0310 UTC

537 802 802 35 35
38214 46828 01711 25336 25366 43132 25702 60375 33616 75528
08713 71236 58547 22115 45152 76213 85248 55755 83460 65453
55758 49056 45739 75706 01231 46551 89438 13113 21768 11996
00650 68819 56844 05240 56787
802 802 35 35 00000

13945/16350 kHz, 17-01/18-01, 0600/0700 UTC

139 426 50
70210 47069 29212 23416 06610 91098 99248 21686 33068 64665
14784 44420 04725 76361 59194 82973 26790 67156 83946 10292
16985 65373 07232 67686 08713 47279 30653 42060 05883 54469
47425 00633 25339 49850 40512 75389 87820 16192 94145 14415
43392 27042 67156 42312 42293 44697 01567 96890 87121 24905
426 50 00000

4836 kHz, 17-01, 2030 UTC

321 968 968 43 43
43057 32409 32495 08950 27489 34752 98532 02935 28472 28402
32845 03285 89802 08245 98562 08025 08265 65832 94726 74832
28490 92940 03856 04582 95832 84595 92053 85462 82659 45367
28750 08673 74624 87902 84375 89320 65244 33225 26583 82874
29384 88773 36125
968 968 43 43 00000 XP shutdown sound

4760 kHz, 18-01, 2130 UTC

472 968 968 43 43
43057 32409 32495 08950 27489 34752 98532 02935 28472 28402
32845 03285 89802 08245 98562 08025 08265 65832 94726 74832
28490 92940 03856 04582 95832 84595 92053 85462 82659 45367
28750 08673 74624 87902 84375 89320 65244 33225 26583 82874
29384 88773 36125
968 968 43 43 00000

E07**6776/5767/5067 kHz, 02-01/07-01/09-01/14-01/16-01, 2000/2020/2040 UTC**

770 770 770 1 257 43 257 43
09075 47963 82881 85397 18413 02043 74094 23451 26892 17170
56901 27491 83471 30594 57807 94336 85306 81298 12156 76963
18528 85499 75646 64500 97679 65601 12547 18033 65546 82435
58472 13840 64948 30865 91988 39683 06329 78503 95942 26730
68374 09988 07384 000 000

8123/9323/10423 kHz, 05-01/06-01, 0700/0720/0740 UTC

134 134 134 1 755 55 755 55
57236 07078 94374 76561 12018 15730 02507 22105 52461 51494
69891 05403 75834 46709 11677 80228 72334 32149 23142 37985
29205 01248 29638 21780 04727 34984 20192 72973 30585 99447
20083 29979 01367 65576 91988 06751 16741 13577 80224 88801
10412 85271 05711 30967 65616 33069 52012 95202 39559 21685
41137 28019 81384 15298 36438 000 000

11593/10293/9293 kHz, 10-01/12-01, 1410/1430/1450 UTC

916 916 916 550 95 550 95
25483 82348 51877 92887 02158 62911 32911 61874 47036 31045
25259 22926 00297 47526 24026 19292 24324 70445 59794 39004
65019 62093 49974 20965 76616 98048 92533 72866 73157 61619
79639 83774 66935 75681 57280 11127 38386 00918 16084 00032
77180 3x291 25857 42531 02267 77137 56180 22690 9x467 38138
90639 34931 40209 79576 80537 29313 46413 84493 74074 22342
47723 14821 59113 15450 44128 76375 06102 34665 87169 80356
99221 83845 93167 22202 14177 28366 32504 73691 14085 54094
20539 37126 60251 27044 95616 57656 62462 51754 73253 35511
77398 05205 47188 94085 51641 000 000

14472/14972/16272 kHz, 15-01/18-01, 0700/0720/0740 UTC

492 492 492 1 2519 143 2519 143
21807 62139 24965 85772 00052 16806 86039 39839 13666 10823
35632 41256 02838 15237 43663 75182 01979 43352 99715 67846
16072 85852 98738 51755 40522 69210 44503 12463 95149 48806
70088 36688 78855 92900 80641 06774 67951 27405 70942 55490
26798 45545 13401 72561 73287 93870 03923 61753 15923 99912
18711 62720 18107 50371 18759 29787 66193 13429 81319 14027
06618 44163 25005 58412 75209 76131 15787 44464 38778 59411
51618 94364 68733 88910 92827 64179 60715 69644 43080 61086
67673 81095 68583 84320 23836 86137 00731 63414 52904 14579
79063 37862 50848 03412 54489 63472 59642 19482 20561 27160
87325 36132 74261 34124 45560 75334 62300 90705 52070 02356
81438 12178 82895 91132 38224 34001 61707 66910 79226 90310
78683 76212 62877 45816 42938 39271 50784 53360 58965 55277
75592 38100 36283 49750 84747 10667 42114 28039 82490 58768
97694 93187 29017 000 000

13523/12123/10623 kHz, 22-01/25-01, 1100/1120/1145 UTC

516 516 516 1 6258 211 6258 211
39134 46529 49179 05097 94274 91503 86003 18733 76249 01179
50756 38794 33461 94203 30764 46241 50287 97470 63529 37819
88150 32194 37127 26877 52282 09062 02580 52874 76890 43783
71952 00275 03093 07740 42097 97921 25345 58210 73221 73556
70629 58187 57873 20266 35748 30085 87192 52322 76845 06617
18178 39322 69486 75811 30451 52732 38560 45867 41126 79739
88046 70730 96295 81096 57009 40568 86696 03140 26899 89361
36909 39821 03226 57975 83837 14542 03750 69130 85604 37643
74057 41766 90388 99791 06759 11731 32916 09510 01771 41125
04080 17422 15370 28865 78266 21424 97386 39917 02005 43061
06227 84505 84468 54063 07540 88297 41520 56320 62017 50465
81565 95323 27533 74454 46423 64494 38376 37588 55425 96585
35862 11022 66659 25319 60754 51338 00198 23018 73533 01778
69097 07155 50208 71969 10975 77965 22996 88807 18842 60365
52583 72621 21982 78098 40876 68221 33267 16395 27114 32083
23065 56525 29321 12221 76401 90930 94818 51577 22602 24811
18514 52423 38309 08595 37524 54176 78519 34941 07546 58945
51467 83932 50717 91897 46697 69735 64823 18086 65672 60717
11918 51745 44703 66771 80394 93602 16648 76932 38682 28983
37002 60872 69776 74516 36834 32083 87286 10852 60940 87438
58844 88147 04794 42328 00124 53230 17703 99455 54865 94060
22861 000 000

11593/10293/9293 kHz, 24-01/26-01, 1410/1430/1450 UTC

916 916 916 1 3514 71 3514 71
76082 98428 33765 46465 41210 15710 60609 31358 36305 02941
80948 57156 12496 22129 55432 39166 09668 78634 06721 13430
43563 76010 16550 61728 28512 70756 65544 10036 91407 67827
74661 02387 71035 07317 44031 48282 34001 78473 22482 91635
14582 20564 99050 56075 65558 02618 94750 87912 19808 09892
41468 86471 72609 33749 41886 42952 83328 46593 29153 43002
77793 62195 49173 32483 74674 19328 90195 60625 47626 07922
91125 000 000

8123/9323/10423 kHz, 26-01/27-01, 0700/0720/0740 UTC

134 134 134 1 197 29 197 29
27549 29452 12905 01501 90999 18028 85891 49054 22001 61671
71918 18693 13990 83882 38066 62456 46390 43116 93546 62470
11909 02198 75643 40728 43073 55881 65821 35545 25580 000 000

E11a

8800 kHz, 01-01/04-01, 0900 UTC

308/32 Attention
62927 02016 84329 64358 99245 69598 12790 49272 19026 48895
65273 03147 20484 94585 92083 59948 06884 01602 43033 09941
99913 46597 14244 87169 35444 71982 71668 50382 62322 07995
43636 07800
Attention (message repeated) Out

4505 kHz, 01-01/06-01, 1605 UTC

236/39 Attention
10721 80763 37256 45729 54465 27215 79574 37918 07690 38327
30477 21838 91394 77873 63354 01941 35182 38758 51372 77781
70161 68151 01242 87100 87666 11283 69880 28247 93287 73219
19862 04171 19817 37842 01672 61894 85371 16234 30878
Attention (message repeated) Out

11116 kHz, 03-01/05-01, 1300 UTC

580/33 Attention

18561 41670 92263 56687 88844 28695 32126 68828 78448 46606
63690 47098 83888 33801 27845 33253 03420 33947 51915 49762
29263 36223 06221 70950 82040 75836 35040 42689 03554 61166
58928 66774 21207

Attention (message repeated) Out

9200 kHz, 07-01/11-01, 0600 UTC

180/26 Attention

28863 75437 19717 14739 44636 16918 62506 02486 88359 92963
26690 23886 12274 76202 34501 42619 19199 31708 34829 14344
58899 00104 25208 24293 47013 51973

Attention (message repeated) Out

9130 kHz, 08-01/11-01, 0715 UTC

630/38 Attention

78121 49303 73503 83240 15499 72456 64519 16968 79972 45271
35134 79685 25800 09890 94417 16086 92041 56843 73434 44328
37977 00659 67366 96276 20472 18204 54673 79896 29211 88180
13081 80869 73783 11161 04992 99266 07256 71011

Attention (message repeated) Out

8180 kHz, 09-01, 0930 UTC

275/31 Attention

43357 46596 48588 79466 06945 26067 89791 92496 44245 31963
82586 96270 72197 27071 27512 17116 71316 03250 41332 71081
55484 66410 57691 39862 10308 15878 60126 01718 89589 59928
85328

Attention (message repeated) Out

10448 kHz, 09-01, 1625 UTC

975/34 Attention

66068 88453 37582 09148 58653 77597 14585 15354 56060 29648
51896 55838 65388 28236 89557 14372 07054 94803 48878 60293
76935 35662 12186 70168 23285 40233 35331 57740 12986 02970
90918 03228 59732 28159

Attention (message repeated) Out

8545 kHz, 09-01/12-01, 1730 UTC

400/33 Attention

01222 76456 39066 71537 76474 10289 59661 42895 45153 33968
79653 06523 71474 47608 46138 05605 46343 73464 13256 71102
72662 66063 56298 36645 23269 44566 77042 85197 15605 58771
93967 63973 63652

Attention (message repeated) Out

4909 kHz, 10-01, 0820 UTC

439/32 Attention

18592 57858 83096 50085 35592 50390 28109 40623 20192 14152
73870 75512 03567 34690 30968 29172 69256 28880 18268 13471
04943 38769 10610 33847 88746 93463 33861 96223 73434 23884
00771 12737

Attention (message repeated) Out

7984 kHz, 14-01/16-01, 1045 UTC

698/26 Attention

54809 82102 07058 06864 74530 61748 03870 49767 67561 07142
73265 02094 03206 00304 50300 81529 25519 39820 95255 26848
52713 98102 16780 23228 80731 02613

Attention (message repeated) Out

14611 kHz, 15-01, 0820 UTC

136/34 Attention

97796 82809 79559 20616 61746 68648 06892 12279 89131 78308
98941 88477 00642 88978 01781 93705 91418 58558 38414 43266
62455 82776 46519 09532 76730 53627 47067 57145 47914 97983
03811 15942 74644 72173

Attention (message repeated) Out

9443 kHz, 16-01/19-01, 1705 UTC

390/35 Attention

43005 33870 70631 63764 51520 09600 59094 92924 39664 85059
60698 43266 38126 27649 07824 15513 85300 12363 89376 57017
66329 99931 13882 88113 00399 91940 44951 14055 60426 39594
17235 12536 41005 27826 55079

Attention (message repeated) Out

4505 kHz, 19-01/20-01, 0710 UTC

495/32 Attention

09339 75288 04948 11256 23738 16962 77303 86316 97363 01970
67491 34108 54304 94601 00200 04127 54613 04823 25945 83616
37383 97823 94869 06587 84616 07371 29909 43041 36638 99430
30902 72649

Attention (message repeated) Out

4909 kHz, 19-01/20-01, 0805 UTC

314/35 Attention

87559 00345 14382 32738 22042 61657 42375 45090 96568 75243
83852 60575 46414 77167 29590 55355 58704 63896 71992 62755
03860 37494 17908 44607 06884 96761 82046 32975 18415 39244
51919 75875 44140 87542 07802

Attention (message repeated) Out

17378 kHz, 23-01/25-01, 0745 UTC

343/31 Attention

63665 18906 73597 44100 27632 02996 07374 85546 90295 35670
63668 85591 29219 18869 88901 44490 73416 34011 12470 06125
26898 26613 65848 10767 60737 25568 69947 12255 08682 54293
37509

Attention (message repeated) Out

11104 kHz, 24-01, 0845 UTC

156/37 Attention

78420 75142 27757 04442 35558 15094 93669 02153 67493 29401
41658 47619 25611 53778 21914 53458 13408 34129 43309 97988
70369 67454 52784 09090 08470 27548 58219 68634 85580 10627
34248 48588 17188 50874 22260 32744 08148

Attention (message repeated) Out

5779 kHz, 24-01, 1730 UTC

411/37 Attention

52277 90999 03661 17396 66460 20483 25061 79478 71879 84620
12329 07115 51201 62444 97131 14069 42635 30494 65028 87924
04085 06282 21163 17326 90340 92439 84842 15376 71154 56389
19331 09165 50945 44678 44856 14823 80893

Attention (message repeated) Out

6804 kHz, 25-01, 0700 UTC

570/37 Attention

43433 03294 56274 18309 13320 57603 83393 18114 15442 25607
13975 73838 43907 80614 25873 24145 73803 42387 95410 23200
26612 79832 52284 39681 01199 49040 88316 09571 74930 52367
59698 70459 66030 68516 32644 86607 00868

Attention (message repeated) Out

11450 kHz, 28-01/30-01, 0640 UTC

941/33 Attention

59456 09534 86174 43008 04276 51498 32999 02316 82679 44956
72805 10766 07645 49919 52649 76942 59835 33783 99631 21771
13439 26731 14739 55609 09418 61047 57951 20605 74973 96659
40769 11464 88184

Attention (message repeated) Out

10213 kHz, 28-01, 0745 UTC

5409 kHz, 31-01, 1530 UTC

264/35 Attention

09669 83421 74432 28398 50606 50865 41133 72672 07039 58896
47151 06384 08227 14838 73095 58526 26929 82035 46050 27529
27298 43850 57263 11558 43319 79690 12302 95074 51730 43369
81435 26461 70197 98121 61534

Attention (message repeated) Out

8587 kHz, 28-01/30-01, 0900 UTC

530/40 Attention

90498 10732 98139 69997 59148 46717 25162 79410 84433 39760
05608 00601 46009 58403 45416 05455 83978 36482 36956 16208
65731 92898 87780 27676 94754 60942 81767 85736 26500 71014
71730 63141 76231 57309 46110 53388 96447 90943 58896 77036

Attention (message repeated) Out

6849 kHz, 28-01/31-01, 1900 UTC

644/31 Attention

60744 78352 29508 92988 03929 33701 82953 88403 85941 27557
35553 28994 33527 34070 75767 21391 96013 49953 36670 71866
76385 95471 79754 23150 26309 41825 64499 09013 82370 08220
53923

Attention (message repeated) Out

7840 kHz, 29-01/31-01, 0645 UTC

The same faulty transmission was sent on both days

Recording: [2019-01-29, 0645 UTC. Malfunctioning E11a](#)

518/40 (repeated) Attention

99 77 /2 /2 55 44 Attention Attention 98 98 Attention 9 7 /2 5 4 Attention 98 Out

7317 kHz, 29-01, 1205 UTC

464/31 Attention

08427 46009 66983 84948 31640 09186 65372 11643 87167 05693

38474 47225 33536 58021 43578 63521 21702 73845 18235 01281

72190 23653 46921 07652 07781 30838 14160 85327 40472 55397

98983

Attention (message repeated) Out

E17z

11170/9820 kHz, 03-01/10-01, 0800/0810 UTC

674 923 5 16945 80744 86200 845703 42227 923 5 00000

11170/9820 kHz, 17-01/24-01, 0800/0810 UTC

674 203 5 33699 39998 30667 35947 83964 203 5 00000

11170/9820 kHz, 31-01, 0800/0810 UTC

674 674 674 00000

Unscheduled messages:

5830 kHz, 09-01, 1300 UTC

274 258 10 92087 36704 49976 49029 10467 93474 44174 33083 13833 95254 258 10 00000

10240 kHz, 10-01, 1440 UTC

274 938 15 26634 14690 95590 60386 03009 81413 94073 83531 94063 51156 47556 94092 48521 63888 92060 938 15 00000

8080 kHz, 10-01, 1502 UTC

03009 81 then stop

8080 kHz, 10-01, 1504 UTC

274 938 15 26634 14690 95590 60386 03009 81413 94073 83531 94063 51156 repeat as "53156" 47556 4 stop

8080 kHz, 10-01, 1509 UTC

274 94073 83531 94063 51156 repeat again as "53156" 47556 94092 28521 63888 92060 938 15 00000.

Carrier off at 1519 UTC

G06

4519 kHz, 10-01, 1829 UTC

271 968 43

43057 32429 32495 08950 27489 34751 98532 02935 28472 28402

32845 03285 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 23856 24582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

Windows shutdown sound

4792 kHz, 11-01, 1930 UTC

437 968 43

43057 32429 32495 08950 27489 34751 98532 02935 28472 28402

32845 03285 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 23856 24582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

4519 kHz, 24-01, 1830 UTC

271 967 42

45678 68475 69385 39620 49385 58736 37233 64864 28376 29395
48638 34693 23852 23468 34679 34687 32929 23658 24368 26722
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648
23936 26389
967 42 00000

4792 kHz, 25-01, 1930 UTC

436 967 42

45678 68475 69385 39620 49385 58736 37233 64864 28376 29395
48638 34693 23852 23468 34679 34687 32929 23658 24368 26722
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648
23936 26389
967 42 00000

S06**15721 kHz, 30-01, 0400 UTC**

480 259 60

91919 45760 19548 65234 71591 88810 06201 95265 04310 58880
57205 94867 31753 75956 05473 68510 50845 72591 28392 51256
52500 56351 03804 07387 08501 12980 69592 47101 48716 61233
41574 34708 95835 95298 69374 86763 49813 75757 34980 83594
39201 55020 23660 42626 81572 48168 21927 26972 20206 85144
22249 87711 29232 05233 38177 63304 04423 79750 66592 84553
259 60 00000

15721 kHz, 31-01, 0400 UTC

480 367 50

80534 81941 04129 47192 30017 40960 01295 63604 66063 96502
82412 20503 78473 55064 42434 80017 89777 63737 64064 66879
54664 26126 91071 03721 80218 22256 21620 46470 46641 30940
13801 80778 33146 78006 20568 65427 78721 58857 96244 33632
32439 08771 41808 88210 73004 19402 81132 51523 02236 24906
367 50 00000

16243/13469 kHz, 31-01, 0830/0930 UTC

842 907 35

18272 63339 21933 26616 60774 71144 75205 53194 39564 18717
01799 32821 86138 69480 23480 72648 02836 43003 52530 81226
43122 35216 86539 11223 68939 23867 29466 33485 64784 57682
31162 03399 13214 52645 62534
907 35 00000

S06s**Oddities.**

Many transmissions were .1 or .2 kHz off frequency.

5765 kHz, 18-01, 0849 UTC

Test with E17z voice in English: 624 624. At 0850z the voice changed to S06s

14753 kHz, 04-01, 0735 UTC

387/34 Vnimanije

54740 65323 88704 50442 71453 95581 16814 47025 06732 89547
43492 47843 38266 19957 48161 18102 15762 74948 24907 67071
82103 40370 14618 18228 81957 35215 35915 00860 83120 54332
94653 83335 98680 04399

Vnimanije *message repeated) Konets

10728 kHz, 09-01/12-01, 1540 UTC

565/37 Vnimanije

27561 77222 86901 31726 43833 18895 07755 16955 16536 85412
71505 98452 12917 55877 46314 95191 98225 70442 24446 43355
11192 70933 34212 02112 57130 45195 12002 37009 53258 18500
26787 39698 74872 36237 74348 61901 17565

Vnimanije (message repeated) Konets

11559 kHz, 14-01/17-01, 1015 UTC

470/34 Vnimanije

90367 48896 42038 79636 35650 94766 01758 20988 12866 08011
48396 72772 20729 69751 17623 45370 24382 99706 71189 70366
65591 31863 87201 28869 90126 40758 16132 63197 17087 70001
27438 33012 66835 12971

Vnimanije (message repeated) Konets

5815 kHz, 16-01/18-01, 1955 UTC

379/35 Vnimanije

08693 18128 51222 59513 84728 87653 54285 46326 27499 85094
08815 21091 60650 54085 73636 95173 88019 00194 03598 47224
53865 64662 94785 08812 53785 20450 61194 28742 06772 73593
53407 85531 76262 36944 11686

Vnimanije (message repeated) Konets

4828 kHz, 18-01, 0455 UTC

327/38 Vnimanije

68260 12056 64597 16965 37565 53321 59830 81419 44138 37153
44613 96017 06652 70786 37252 57641 39838 18873 95272 59338
00172 40300 08959 58320 13526 55065 65550 71982 05832 54975
06685 12284 31633 63125 35467 94964 75814 48470

Vnimanije (message repeated) Konets

7600 kHz, 22-01, 1020 UTC

425/36 Vnimanije

00359 93038 82508 48798 79491 56214 29156 07780 77489 54707
66565 57938 60292 57190 30088 80177 49484 04534 62919 73732
56676 17345 45445 89627 33243 81781 45414 21063 58750 91737
96663 36914 13772 90106 21585 71889

Vnimanije (message repeated) Konets

V07

15893/14693/13893 kHz, 13-01, 0100/0120/0140 UTC

868 868 868 1 720 41 720 41

20316 31046 28989 62325 45501 39750 83520 23258 81609 67069

61727 43434 63653 91968 04323 38861 95394 03195 42903 73821

60582 45997 84560 28551 02895 96063 61211 61722 65326 27535

64897 19201 16104 94295 15619 37260 83278 26133 45215 17420

68593 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 is still around but seems to have no fixed transmission times anymore. The following transmissions were logged by HK.

9276 kHz, 02-01, 1305 UTC

8169 kHz, 05-01, 0700 UTC

7502 kHz, 08-01, 0740 UTC

8169 kHz, 08-01, 0800 UTC

7502 kHz, 08-01, 0844 UTC

18040 kHz, 10-01, 0110 UTC

18040 kHz, 10-01, 0407 UTC

18040 kHz, 27-01, 0210 UTC

V15 via PBS Pyongyang Pansong

657/3320 kHz, 05-01, 1445 UTC, AM

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

6400 kHz, 10-01, 1546 UTC, AM

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

657, 3320, 6400 kHz, 24-01, 1545 UTC, AM

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on

MORSE STATIONS

M01

5320 kHz, 08-01, 1800 UTC

197 921 921 30 30 = = =

16942 19549 86235 16119 92338 06433 06600 71477 29864 10783

64750 47456 50642 77163 42363 75051 36851 70019 50725 25544

03239 34102 18322 45779 90042 28430 32024 10196 81913 33993

= = = 921 921 30 30 000

4490 kHz, 10-01, 2000 UTC. Different repeat between brackets.

197 771 771 = 30 30 = =

65773 69236 45643 69720 96708 45800 19861 21688 52234 43443

00271 23919 06101 13926 26187 (61875) 86968 40395 39832 82532 07546

37431 96313 16414 09288 37543 56061 06638 04403 81901 12104

= = 771 771 = 30 30 000

5465 kHz, 13-01, 0700 UTC

197 142 142 30 30 = =
98913 71837 68414 16926 61552 34327 02532 51141 31634 34659
35640 47393 78615 26148 50904 35704 51600 42066 22628 52378
34369 45957 35827 41990 88256 42976 85560 15373 25616 35262
= = 142 142 30 30 000

5465 kHz, 20-01, 0700 UTC

197 970 970 30 30 = = = =
15869 67410 11469 27489 09597 84681 26976 00855 57262 89052
09046 20678 68521 99208 34592 86923 64437 67530 55147 38540
99215 42854 28561 57992 95348 17179 08516 64900 66994 12962
= = = = 970 970 30 30 000

4490 kHz, 22-01, 2000 UTC

197 251 251 30 30 = =
07727 01860 02768 41282 68610 96933 64732 83344 35562 84935
52973 39778 94010 17047 71709 77417 24478 59078 07212 39469
73377 60480 80585 34188 99279 25115 61488 87811 38949 75788
= = 251 251 30 30 000

5320 kHz, 24-01, 1800 UTC

197 352 352 30 30 = = = =
32093 13525 65240 96298 96979 86316 21900 55514 69456 85565
41762 26322 27863 47875 42454 20102 46822 61394 21543 04972
09170 05132 61479 79904 32534 63134 59370 75231 49710 14967
= = = = 352 352 30 30 000

4490 kHz, 24-01, 2000 UTC

197 312 312 30 30 = =
24206 75123 77099 82586 67127 99395 63036 62841 (62741) 86160 98242
24016 41040 40985 93418 68326 97414 66089 45037 83264 06652
46248 00155 72788 77358 03955 82249 65632 33468 06788 25626
= = 312 312 30 30 000

5465 kHz, 27-01, 0700 UTC

197 207 207 30 30 = =
39272 79723 75340 04019 89578 05775 72833 03852 26512 74381
44822 05932 63590 39928 04521 14475 14496 01949 66164 35651
67074 21109 02248 48532 60626 71068 80093 87004 21244 31558
= = 207 207 30 30 000

5320 kHz, 29-01, 1800 UTC

197 219 219 30 30 = =
34628 49012 34219 75692 47620 45616 65659 23921 58447 83290
82427 23921 38975 55623 98375 92834 00087 45678 98721 09457
92837 43219 89706 51423 05948 37261 89990 34356 28942 74239
= = 219 219 30 30 000

4490 kHz, 31-01, 2000 UTC

197 301 301 30 30 = =
36505 88275 88805 61726 49451 14827 70645 55779 91650 19217
50466 12390 45386 02132 50854 64378 41528 63624 35583 14812
64476 23585 00516 82957 44461 25329 22957 95258 44580 59058
= = 301 301 30 30 000

M08a - Dirección General de Inteligencia

8096 kHz, 03-01, 1356 UTC

UTIIN WNWNN RRWDA

UTIIN UTIIN UTIIN UTIIN UTIIN
WWINI DGNTI NADTU AAWGU DIAAA UDWWN RRAUR UWRDN UGGNW UGWNN
WNUAA UIAGW ADUWR TIWWI TARIN TTTT TRRGR GANNU UITRT RRWDG
GWWRD WGDNU GDWIN UWURG NIWWT GTWDA AGNRG INUII GIUDG ITGWD
WITNR TNGTG GAAUN WTDRI UNGWA ATRGN GWUWD DTUTA IIRAG ATIGD
WGNTD DGNAR UDDUD IDRR INNDA DAIGD TADNR RRDWT TADTI DDTGG
TTDAW GDRNR UNRWI UANWG UDDNI NUUWG NNING ARNGU RIUDU ATGWI
ARRTR RDWIR UUAUG UITNT ARRTA UGNAR AWUGG DDITG RTWIA GNUWW
DDDTU WWGTI ATIDA GNWUN NGITU TIRNA ANTNT UTTGT RUTND AGNGN
NRRAG NGAWD RNRUR DUIDU UGGIN GRUIA ANIGD ATGIW DNRRW UUANA
NRTRA RWDAD AIUDD RAWDA DDWAI TUDNU RRUDU AWTDD UAUAW TAGWI
RGRWT NNTDR DNDWW NIIGD WNTGW TTNDR NUWAA IAWGA WWGGR ANTGA
RGRAT IRIGG NTRRU DNNGI TNDAR RNRWN ADRWW URRTN TRTTA TDTUA
IIDUW TINDW AWRIG GWWTI NNGUT GGRAD IGWUR WDAWU IUTWR NWNGG
ATNND WUTTG WWTNT GWGRI DUGGN WGRW ITGNN IDDRI RGTUN TIGRG
DWWND UIAID DUWTI NWAAN TWRGW TWNRA WIANA URTRU RGNAD NIGTN
+ + +

WNWNN WNWNN WNWNN WNWNN WNWNN = = =
INWDT GGARA WTUWD GUUWT AUUAU GWUNN IUWTG UTART NUATR ITARG
WWRTW ADINA WTGDW DRAAR WIWDA NADWT NWUGG WNDDR AIUDW GNNUW
GAGDT RAGWR GNIWT RNDUW TRRUD GIDGR GNAR GRITN AAART ITAIR
RTANI DRGAU DIDIT RWTIN DRURD TTTAN RGAUN NTWUD AWAGN GITGA
RATTN INNDA AIIGG AWG A TIRUG TAAWU RIGTN DRUUG DURUR ARRGG
DRRWG WUWDW GDIUW UGANR IAGRD DGIRW NAWRW UGWRN NAIRI IIGAR
GGUWA AWIIR NURNG UIGAA UWGRU TRAI IITWAR NDNGR WTGIW INRGD
URGRR WUWUD UUGDI AAGGI GDADD NTDUW GNUTT AIARU RRWGT IUANW
TDGDD GWDUT NNGND RTDDU UIRAA AUNWD TADDA IGNRR AARAU DDUAI
UNNND GINUW RDRUD TARAD AGIGA DDDGA IWTGG NWTGG TIUUU URGGR
UTDII NRWTU RANAT TGWWI DGRWA UGNR GNTAA RTAWU IIWUA NRWDG
WARGN UATRI GRNUR TURGN IUWTR RTAWD WUDWR ATUAU IGWWG UDTWT
WUUUU DAWDU RTUNU GANIT DUDII UTTUU WIRTU WARRG TTITR UTRAU
RDAUW UWIIU RGDDU RTADW RWIDR DTWTG UIWDA IAITA GNAAD IWIRG
NNDNW NATIN AGUUU ARNRT NTWDG AGUWU WIDRU IDRWI NTWGT NTGGT
+ + +

RRWDA RRWDA RRWDA RRWDA RRWDA = = =
ITGGA UNUTT UTIUU IUAAD TNIIT GRWNW AWIWU NRGRN WUTTN ATDRT
UNIRU UUIDA WDGIR GARRW WRIGD GITRI TTUDI RNWIG AINRI TNDGD
RDWAI WGARW UGTUR UDNTT NTRNW GUIRR TIGGA RRUUD RDDAU ANTTW
DWWID TWRGR AGWDG NDDTN GNRWR TARRG IUWTN UGIDN HTNNW RIGDG
AUUNW GNRTA NIATG RNTRN GADGA IAAIR GNRTG WGRN TRWRI TATUN
UWAWW NTDRW IAUWW IIINT NUIII WTDGA TUIAR GNTNW AIIID DRDIA
GNUDU AWDUG RTNRN UNNDW NUUD NWRT DNURI TRDNN TDWDD GWNNT
IRRNI WUTTU GGDRI DUATW NUTUR TGUUT ATANA AUTUW NWUWN DNWDW
UGAND GWNRR UWARW RRTT GNWRU TGRIA NRTD GTDGU UDDWW IWRNT
WRGDA ADAGG ANRNA NUTWN IWANW NURWN AIWAA DINGR TWNII GIWGG
AANIG WNARG WRUAN INNNA TNGGW GIGNA DNIWT IIDIR ARIRG RGTRU
GRIRU GGNNT RGNRD GIADU NRRRU NRGIA TTIU TATWR GTNWN ATRRA
TATWI IURTU NIDAA GDRTT GTGNN WGAAA TDUUN UARWR UWIWT IDUIT
IWANW ATTII WUDWU WUTTD NAADW NGAAI WININ WWRUR WTRAW IGRRA
IARUA ATUNT WGDIA WUART GGGGA AGGTN UGRGG AIRWA WDIRT NUTWA
+ + + SK

TTUTN NDIDA DRNWN

TTUTN TTUTN TTUTN TTUTN TTUTN = = =

ADIAA AGURD TUTUD GIWAI GUIWG RRRRU UAWGI RIWIG IRURD WNUGD
 WRWDT WUUDW DTDWG UUNUT RWDRN TNDDA NAAAN GTRUI NDUTD WTIDR
 RGRRN UGUGT GIIGW NAUGI RNDAW UWIUG ANNAI RGUTR AIRDD WGTWA
 GWDWT DIUWI GTRII NGRID RTNGW RRGDA GDAAG TUDGA DNDGG DUDWN
 IDDIN GGWGW AIANU IATUG RUNWG WGAWG UATRR WDNUR NTIAT WWUTD
 DGTGG DNDTN UNAGI NUTUD WIUNI IUDDR IAAUI IWGGI WRUNG NGINA
 TGRWD WIDAR DAGGW GAUWR AAATG AAIAT UTTIW WNIII NGGAN UTRWR
 GTTND DNTGT WUGAR WGDNW RAAGU URIDD UUIAN NTRWD UARNA TNNAW
 DWRIN UUDID NAWTT NURAR INWGD WDUII WUDTT ATRIN TATAI GURTN
 IRIUA UDDND IAWWW DATIA WDATD DNGIU TNNGD NTNGU UGNUA NDUUN
 TNGND UTRGT RINII IIDRU RATUW GUIWN GTNTD GTDTR ITUWU TTAHD
 IDNDR RTRDW TDNWG RGIIR ANIAR TGIRG NNWAR IININ IRDND UDUGG
 WITWN DUGGI DANUU GDTUD NGNUI UDDNG TDURW GGTA NUAAG DRRRW
 AGIDW GNARD TNWAT AWTAD UIIAT UAWNI RUDUR GTNIA WDNDG WGRUD
 IIIDI TDTAU AINTT WNDND GDWTD DANTT NAAWW GWNDD WINTI GWAGD
 + + +

NDIDA NDIDA NDIDA NDIDA NDIDA = = =

RARUU DADWI AWUAW TUGNI RTWAT TARAT AARTT AUTUG ATDTT RGGUU
 DIAGU INDRR ANDAA AIDRD IGIGN TNUNN GUTUR IRTIA NUIUW NNGDD
 DNGGD UAANR WDDRR TDWNG TUTGT GTRID TUDTN IDTIN NIINT AADWU
 UNIRA TNRDW ITNWR RTNRD IIDWW UIGTG UGNNT RTWDW DRTWI INIDD
 NAAUR GUAWG UNTRD DTGRA WUATT TARIG NAWAD UATRA WNADU WDGGD
 RURDD RAGAD NWUGG IIAGW RAGIA RRNIW WUUGI RRAAA DANIW TANGR
 WAATN WWAII GTDAW IIADR RUGIW UANIG DTUGA WDGRI RDIAR TWUWW
 GANIR UGUNT DIINT ATUAW WDAID IUTDG IAAGR IIWRT ANIDG ANDRU
 IGRRN WDUAR DDUUA AGDAD IDWTI RRUIU TUWIN DUADA NAGRT NDRNU
 TGUWU NGDRR UWWRT WGTIU GDRIU WDNII GGITN NND AU NUIGT AGNNG
 GUTRD GUTTG DRIUR IRTUR DUNTU DDDND IUDGT GWGWG WIRTN DARTN
 NINWI GTWTI AINIG TWRUA DUUWU TGNIR RRRNG UATGG RATAU TGTUN
 GGIGU DGRNA TTGDR GNARR WRDAD ADATT DRWWU NRDDR UTWDG RGITN
 RRRRU RTGIT WUUAW IDIRN RNUIN IGNGT RTWGA RWGGI IDATA AGWUR
 RIIAR WIITI ARAAI TIAIT AGUGT RDANI TRNND AWNAA DIRNA RAGUU
 + + +

DRNWN DRNWN DRNWN DRNWN DRNWN = = =

GITUT TTWUG RGTNN DNIGT UTTUR NAAUD RIGGT IDAWI AWTRU DINRG
 WDTND DWIWW DNNWU NNUIU RDTRN AGAWU IDRGD UGAIW UNGGR IAAUW
 TNUII ITWRW RDTWD NAWAT RTUDT DWTUT WINUW TGGIR TIIAR UIRNN
 GTADT GAWGD NNUNA TTNNI DNIAW WRWTD UGNRR ATTTW TRDDA AWDNU
 WUTAA DUTWU WDNWI DIUGU INUWN RRNDI WAURA RGDGU WAWIR RRIWT
 GTNNA GNRNG NDDWG DAUND RRTTW DRRRR RGWDU WUWIG TWGGW UGDAI
 RITTN GNTAD RTWIA TTRTT TIUNT ATUGI TGDDW NTRGA GDTIU GDUAN
 WARGI DANWW DDNGI TTNAT UUGDN NNTIG TTWRN RRDIU WRTNU TGNWT
 IRWDI WDRDA NIGNU GGRUR WRUAW NUGNN RUAAU AUTUW NNDGT ANIUU
 GWGUU TWUAD UADNI ATTUU URIUN WNWNG IWWNN UWGGI NDNRW DDWNN
 UUTWW WWUTU IWRRU RIRWN UWTAT DTIRR GUADW AAIRD GGTRR NDITT
 AGIDN DDING TNTGI NWWUT DADWT WTGAW TUGII WDURI WRUTT NNTTT
 UWTTI GUUUU IWNNT RRADU NDDTR AAARN TIUNR IWATD IDUUI IRGGN
 RIRTW ADDR G RDDNI NAWAU ADADU RRTTW RIWNT UAADW NUWUW ADRDR
 WUNII TIINI WDAAW IIURR IRNRU WDAWR TNDIN NTNTI ARNRG NNDGN
 + + + SK

AUUAA NIGUA DTNIN

AUUAA AUUAA AUUAA AUUAA AUUAA = = =
 INUWT DRNNT URDAR UWNII UAUIT GWRDA GDRUG RTGGD DRGIN NIWRW
 WGIDG DDUUN WGDTR AGRAI ADNRA ANIIN NDWUG TATTG NUUNN IADAR
 TIAWG NUUNG GNIGW GRITI NTAUD IGNUG GDTAD RIIWR AWTAI TURDT
 DRGRG WAUTR UUANG WUTTN TIRTN UNGAR RIIII TNTND RGGU WGWWN
 TWINI DTIAR TGARI GDRNR DNDNN WANGA NUWUR UDTDU IUDRD WTGIW
 WDADG GIUNR NRDDN UTANN UGTTU DIIWW DIGGA IUAWU GDRUT TWGIA
 DRTUW GAINU GGUTI GNTGN DARNI AAIUN RRIID WRIGU ADGUT GTWGT
 ANRNA TNARI NTTAN ARDII GIDGI GAGTW TWWTI DGTWT NUARR IGUGT
 UTRRN IUGGD TTNGT WGTU WUDUT DAURW DITRU TIIWN ANRRN WIIIA
 NAIWW NGTIN UDRGN NWTUR IARWN AGUNW AGRUA RDWGI DTUWT NTWRG
 ANGUW ARWGA WRNRG ITAGR WGDNU UWIIT UWNRA NNUWI ANAIN NTGUR
 DDRNT URGNI IIWDG ITNDG AAATR RAIRW TWRUT ITDAN DTNAT WWGIW
 IGAWT ANTWR WTWGT IRTRG GWDNI IRAAT UGGNA DWRUU GTWDR GADUI
 NNADD WARIR DIATG NNRUI DUWRW AUGRW WGNRI IRWUN WWATI URAAN
 RIAWN UITDD DWIGA ITWAA TTWGG RADNG NTARW DGGUT UWWUG WGDAN
 + + +

NIGUA NIGUA NIGUA NIGUA NIGUA = = =
 RUDGU WANRW AADAT WGTGA IDAWT IIDNU IIRDI NTWAA URDWU NTRUW
 NRIAG UNWNN TRUAU UTNUG NGIGR WNUDN TAGDW IDDGA RAURA WURTI
 DAIGU DRWUR WIRGT RAUTN DARIR WDNIU DTRGT IUGNW TWWUN ARGIR
 DDIGN NRRGU NWANR ITUGI ANUTD RIWTW DDUDW DTANG RNDA RTADW
 TNAIN UDNUI ANGNT UUDTI GIGWI RAWTU RDNTT ARRNT GIAUA IGRTD
 GTDAA TRTNU TAATA IGWDT GUDID TGRDI ADINA ANDAG NGGDG INIDT
 ANUNW TIIWW RIRDA UUUAW AGNNT WRUUG WTDUD UNARU GRTA GNNGU
 NNNTT DATAI IITIR WNUWT DAGTA TDAII DITAG DWTAI UDNIA TAUAG
 NDGRN WUIAA IIGDU DINTI UTGDA TDGWI DGIWR DRIGW RWTRU IUNWN
 NIAGN AINGN DWNWN TGDWT UTTRR AGNRR DANGN UTRRG RWADR GUAI
 WWTII WWITG WRGWA AUIIG WNRGD GWWII IAIRG TTAIW NGARR TTIW
 RUNTG ININA NGTRR UUUIR NNAUU DGRIG RTRIW IDUAR DNUIT TTAGN
 UUTGA UTGNT RIGIN DWTGU GTWII IGRNR GRDUG NWNWR TGIW IANRW
 GNRDA TAUAU RNAUT ADGUN GDDNA UUINU ATTIN ADITW AIRII NARAW
 GTWTR NINDW GGUTR UDIRG INAID NNWWD UGGGI AWTAI RRRAN DRDIW
 + + +

DTNIN DTNIN DTNIN DTNIN DTNIN = = =
 GIGTG UAURI UNWDI TAIRT IWNDU UIIWG TWTRT GDDWW NUUTW TIIRN
 DDDTW RARIG DATNI GGWWG IGNNR NUTDG NIAUG ANGWN ARNAD UGTWA
 DGDRI DTUDR DDDTN ARGDT AIUGU GGIIA IGINR NAIWA DWRUR UNIUD
 NINAN GDUUG UAIDG DNDWA NTAAI IGIND NWDTW DNWII DGWNW ARIIA
 IGUIW IUUNA GWDDI ANRIU GWAAU IDWDD ATNNG NNINW WRDDW IUUUW
 RWDGU DTDNR IRIRI IGNIR WGUIN WNRTT TUUIT NDUIR UTAUA NDTUI
 UDIUT AINGR GTTWR AUWNT TRADI TNGGD GIIUW DTWRR UIDTG RTWAU
 RWRWW IIGRR IUARI RINIG NGNWA ITNNW WWDNT RGAUW DNDAU DRWIA
 WGGNN RAIAU IGWUW DDRDW UDDT WTNUG GNTTD NDIID TDRNW TDWUN
 NAGGG UDGAW GGGNU RGTNW NUWDN IDAWG IDGAN NGRNR RIIDG GGUAN
 IDRTH GUADI NRNNU GUWTD WDNUG DNWGU RUDII TUTTR UTNWR NDRRN
 WNDAG DRRAG GGGDR ANGUD WNDWA RDAIA WUIAI GTRRN RRWAW IITAA
 NDGDI DWADA AWWAR WNTWW AIGAR GNDNW WTRDT GAGWR ANIRA WGAII
 NRNAT GDTWA IAWUU GDRIN DNAIT NAWIT AATTN RIGDW GTGTW WWWTR
 NIDNA UGDGN INGIW DTWGN NRNAA DTTTI WIRDN NIGTR DUIRU TITUG
 + + + SK

UNDNN WUAWN RRUGA

UNDNN UNDNN UNDNN UNDNN UNDNN = = =

WTRGT DGADN WWWWN GAIDR AWRNG WUTDU DIAIT DTWNA UATUR DRDRN
 AUUIR DAURT IRDDN DNAIN UUWDT IWIIW IDRAG TUDTA TGRGA ARIUA
 GATWN TTATU GNRAG DNGAN GTRNW DTGRG DGRNI DIWRD NRUIT GDRAW
 WNRTA WWGID RNRNW NGNUR WAUIW DDITN TURAA AUUAG UIAAA GRGWW
 GADDI NTAWR UUUWW IUUDW AAAWW DRTNG WNTAR NUTUT WAIWR NTWUU
 GRWID RGWGA NTWRA ITWTW NRDNW UGUUA IIRID WTTIN TRWWI NUWAR
 RGUIN TGUNW ADWNA WNWGD UDUWG URGIN RWIAT RUNDD WNARR RUNIU
 UNTWU NTGII DUNIA DRWIT ARGRN WWUDR WNTTI URRUW NWUWI WAWGU
 DRRWG ITTUT ANTDI TNAAW RWTGU WRDAR RUDIU WNURN GINTW RUAGD
 UAAII NGAGR UINTR IGAWU ATIID UNIIU WGTGG TTIII NANWA RNTNG
 ARUAG TRIND GUTGD WNGTR UUAUU GITNA NNDIG GNRTR DGARU NIGTD
 IGUDR DARRA AITNW RAIWA IWIGN RTITD NGTTD WWITU IGDDU DRIRG
 IAUTT ITUIR NTIDD ITWWU ITGDU RRRIG NUJUI GGTIA UNNRN AGUDN
 WWAGU ANUUA RDWGU AAGGT IUDAN UAIWA AUDTW GGRRA NRDGT NGDNI
 UGGNU IANAG UITAI ADDND RIWUN IGWWR IRINT IWUAU DGIDT RRTGG
 + + +

WUAWN WUAWN WUAWN WUAWN WUAWN = = =

RIIDD NUAWN GNAAI DGGIW WUAUI WTITD IDWWW DNTNN TNGTT ITRTN
 IANWT TURTA ANGIR TRWGD GNUUW IWDNA DNTUT DNIAG NAGDU UGDUU
 TIWWR TIGGU IWGID NIDGN RWIAA DWTWU RARAW RDGUN IWTWI RDUWR
 AWURN WDRTR RGANU UGUIU ANDNG WWTNI NWARA RTGRI GDNIT RGIRA
 RIGWI WIRGT GDTDT WRGTD GITIG GUARG TAWRI TNTIR AATWG RRUDG
 NUTGA RNWNR UDGGT WDATD IUWRG RDWNT RUGWN ANNWT IATRN RNUII
 UGTDA URUUG UTIUD DWUGU NINDN WAUDT UUANN WRAAI GAWUG RDTNU
 IDAUD NAANR URWAD DUTAR RWTGT IURWN RNRDD RGGWR UNTNA DTWWU
 GNUID WGUWN NWNTA GDUTT GUWGG DRTUG DUDIN DUWIW UNDND WRNGI
 RITND NDNWI INRNW IIDDA UAIGU ARTIT ARWTU NNUIG TWWUA IIIDW
 UNUWN AAWRG TTdra INTNU AIUAG NUGRD RNGGR WNRDA AAWRW TNTTD
 RUDTU NRADN TAITW ADTDW TUGGA NWDGG AGNWA DNITG UTDNI UWVNN
 UIDNI TRWAD UNDTA UNDWw AUADG WIAIT RWRGG GRWRU WTADA ANTRA
 GWTUG AINID RGAIR TDARG DDDNI ADUWN ANIWN GDGAI TANRG TDIUR
 GGIUR NARWN IRDNI WATIN IWGWA GWDGG DAUTN TUADA TDGIN GGDTD
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RRUGA RRUGA RRUGA RRUGA RRUGA = = =

UAIWW UNTTD DGADG WIITT INGIA RGGTA ATITA RUDDU UTTTA GANNW
 RWNTT NADTU NGRRN INNTA NDGGG AWIRD GTDAN UUNGU RRWRT TNAUR
 ADUID TINDG UATDT GIIWT ATRDW DATTI IANGI RUGDN AWGTR RDGNW
 AAWRA NRTIU RGNRU TWTIG DNRUG IDNRW RRWUU RNAAN GANDN WDART
 URAAA URDGW NGGUU NDGWR NANDW RGTTW AAAGI TDTNN INIDG RNRTA
 RRATR AAADN NWGNN WATWA WWTGG GWDDW WNWTN WIUDN AUDTI NTWWT
 IIWUT URTDT GIWDD WWTNA RIUGD GRWGA DADIA IUTNI ARWRG INTAT
 IUGRU ARTDR WUUWW TATNW TWDDU DWIIN GDIIN RIGDN UWTNN DIIDW
 GWUWN TIGAT RTDDT GNTTT ATTAI INWWT UUGDR DWDRT UGRUU GRRRG
 NUTTN GWANU DINRD WNGDN DAWUA DUIDW RINGA UTWDR NTGID IUIRG
 RNIRT UAWRT UIRAW DRIII WTDWG IDDTG AUIRA WWNDT RTAWR RUDWT
 ATIRG NAAIN GAUAI ANRNR DRNNG UWAGA UDUUN UWNUR NRUNA TNRND
 WDAWA UINAR RUDIN IAUTI IUAAAN IWGNW INDRI WAWAA IAGNT TRNNW
 NTNTI NDART WIGNR DIRGT TDTTI DIIDI WADNI NIAII TIWDD DTTUG
 UIWWG UATDI NTDNG IIUDG WUTWT TIGTG WNIAG WWTNR NRGRU INIDN
 + + + SK

GTUTN TNADN NUWWA

GTUTN GTUTN GTUTN GTUTN GTUTN = = =

IWADI RDGRW UDWTI AIIRT GGAUA UNGAW WARTU WRRIA DDWIT UWNAG
 WWWUA GDDUR WWUND UTAUT GRNND NWTGA AWRUW WRDNU AIWGU ANIDR
 RDNTW RRRRI WAIGT UDDGN DNAWD GNIUT TTIGT AGWGD NAWUD NINTD
 NUAWD DGAAG DRWIN TNNIG INWGA TTTGG WRNAW NRITI NNIUI DATRR
 UTAWA UIRAA RTGII WNDAN GNWDD AANRN TWUDW GAWDT UUTAG RAIWD
 RUGIR TTNDI GWDGA RRWGU TWUNN GNIIR UUATG WNDRR GTWUT DWRDG
 NGGWN RUGWG DRDIR RAGNW RNIUW IWRDW AWDGG NWUGT NUGIW GAUDR
 RWNND GWIGA RUTDG NUURD WTITW GTNWN WNWGT IWDND AARTW RGIAG
 GNTGD ATUTG TGADA DTITR GUWRG GRRWN TDWDA WNAIN IUURT NRGWR
 UGTGT RDGAG IDGAA ADDDU AUAIA RNWUR NIWDR IDGGA RWIRR WUGIA
 IUDNU RGAUU ARAGN GNRIT NGNWG TWINR TDNDI WIDTD IRNRD IAAWW
 RNNRR ANRTW WDG TU WWDIA UIUTN ADRNN RGIGG NINTU GIUNA TAGRA
 GWDGD AAWDI AIDRN TUDUU ARITN URDRT UUTUT DWGIN GWGTN AAWTN
 WGURU WNTNG WWWWR WUWII GATRT GGDGA NNTTR ATRAN IATTG RDDIU
 IWGNN NIITD WDURI DWTWU DUAGD GWURG NRTRT ARARR RGTUR UGWGW

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TNADN TNADN TNADN TNADN TNADN = = =

DRGUR IUNGU GRTNU AWWNU ADTIA UNINW UTNAR RAIUA INATU DATDR
 RATWR URWNU WGATW RARUG TTDUA RGGAT RGRUR DUWTW IUIIG AAURR
 UWWDD NAWAG AGTWT NAITU NRDUW IDWNG GWNGA INNGW NIINT GAAGR
 NIGUT WANWG UGGNT IAGUU AUNIU IIDUW DDRNI TRGUA TWGIW AARRW
 DRIUR RTDID AINGD INGND NUGNT WIITI DUAWD NRNIG GTIIN NRGGT
 TIINI WWAGD NAAWG GDWNW WUURA WUGTG GIDUT TGDIT NGRDW IRDRR
 RGGGA RWGGA RWUAT ANURD DGRUA RIDDN UANRU UGGNN RIGAI DTWGA
 URNGT RRNUA IWAGW WGDDR TTNWD WIAIN IDGAG DGTUI WWRUD ATUTG
 AGWWA GGUDG RRNAA TGAWA IIGID RTNID UDWID IIRDI ANRGW IINRG
 TGNDU DTDDN UWIDN TWRNG GNTDR ANNDN RDNWA DGDUT INDWG DNIAI
 NINTD RNTGA DNINR TUDWI DTTIW TWGGI GGGWD TWUID UUDT TIGAW
 TIDWA IURUR TTNAU AAUAT DWWWN GDDRI GTUUU IDNUG DURTD IAAIW
 AUGNR IDWWI NTADR ARANI DITAR RUTUR GWRAT AWIGD IWART TGTRU
 UNRID WIRDD AIGGG INWGU UGRNI GATII NANIW RAIUW UIGNU AWGRA
 GIRGI NDWTA GRTII ITDAI UAARU DGUUN DIUTA URIGA NGRDD GRNNG

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NUWWA NUWWA NUWWA NUWWA NUWWA = = =

VUGNT DWIAN IDAUR DWGWT WNGUN IWUNW RTAAW ARDTD GDWTD UGUIA
 WRTAI GUNDI UWDIG IANGI UUNG IUIIN AGDGD NGIAN NNRGG NAGRD
 NIAAW WAWRA TUGAR AARGW NWDDI UNWTN RRDUD DNIDG TGGDG GTNGT
 NGIIW WDDWA URRUA GNRDA WIAID WAUTG UWRIT NDRIR TIUWG NGAUD
 RRWTU NTTUU UAIRA WRDUD TUTRR DRNIW DUTAA TATRD GGGTN GDTRW
 TRRIW WDRRW WTAGG GRRGU AGTIR GTDUU GININ GDAL I TRGGU IGDUW
 AUWDR RTTIR DUNDI IIRIT AGTII UAWWW RINUI GWATA DDNGD UDATW
 WIRWD IDRAD UDNWT NAIWN URGID NTARD RUTIU WANGG UNGDT UADWA
 GTTRU UIAIG UARRD UITRA NDAAD IRTIW WIUTN TUIAG UUANA DTRDD
 WDGND GNIWG ADNIW AWIRD WGUTR WRRTI WAGNG GNARD GGIIN IGATN
 IRGND UAUUI DRTDA TWRNI ATTGA DGWRU RIGUA ARIAI RNTNG TRNAR
 WAWNW GUGIW WVNID GANGN UNGGA AIWRD DRRRU AWTUT ANUDR ADGUI
 NUDAR NTTII UNIAI WWIUI RRTTA IAURG DAANN AAURU UWWWW AGNNI
 RWUWD TUDAG AWRDG WTATT GGRNA WGINU DRUTW WDUIU RRGWW WITIG
 GGRWG ADNNR TWGWT IRDWN NAGAT DGUGT NRAII ITAGT TGATG WAGNG

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IIAA GWADN NUDTD TUANN

IIGRR DTTWG AADID AUGTW AWGIN UTWGW TRATA TWWRI DAIAN AWTGI
 IAWTU DGUGR RAATT TRAWI GRITA DNTUA UGADN ANTGI AWDWR RUIUT
 WURUA INGII WRRWD IGARA UWDGA WTNNI RIWID URWAA NUTWI UDUDR
 TNTNN ARWRI ADGGI ATNNT WDRDW INUII GITWG WDTGN AUGDG IRUAT
 AGNAR NWAGR DDWWA WDNGU TNGNN IGGTA GTANR NRWRD NINIA RNTRR
 TUGNI TRTWN RRTTN UTWID WGANR GNDGD RNRND GNWAI WDRGT UUAUG
 IIAWG ARIIW NTTII AIIDI RNNIN RUIUT GWDAG DDRND GAGAD AIUDI
 ITATG AIIAG ADNIW WNGRU IAGDA NGRNG IWIII NWNNI IDNUG TDNIT
 UNTTD TITRI DNRIA UDIDA DRDIU NWRNW GATGA ATDDT UWAAN NNNRI
 RWANR UUNDU IRUIG GDWID ITNRI GDIGU RDWDT NTGGG DNIGA ATGWW

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RIUIA RIUIA RIUIA RIUIA RIUIA = = =

AWIAI GUWRD ADGAI WWATG GNND A RTUNT ITDWW IRDUU TWDAA TGAGU
 DNTAW ADGIW WRTWI WTIWD TTDGA WDIIT TTIGT ADIII IWDUU WNNNI
 ADWIA TANNT RATRR IARWN RRTTN WWDIN UDNDI GNITA WGUIU NIINT
 NTTGN ATIAD RTRDU WDTGT DTRAW NIRUR GUDIA TNNWN GDNWI ATWDI
 TIUGG INNDA NURGN URNWU DNGUG RDDTN INAGR TGGAW WRGRR TDIDW
 INIDA RRADU DRGDG RDUWN INTUA NIRTW GAUDI ITUGT NGDRT IINUW
 NIDUT GUWGA ARIAW NUGID RDUAW GUIGT TANRN RNAAW DIDNG TWRAN
 ANUNN UARAU UTGUW WAUAR RRURW IITDT UIUGD TTAID RUWTG NGDIR
 NATUA ITRNI TIDTG WITRU NTGAR DRRID GUTTU DNGGG TRNAG WAIGD
 WRGRT RIRRU RAGGA TIIDW WAIUT GUUUT AIDGT GATDU WNNWU UAGTA
 RDWGD RIGGG GTIRG AUWRU DIUWI GNGWU WIUDU DWUAI AWAGN IIRGG
 GDUAR UWRUG TWWAD RANAA WUDWD IRWGU GARIR RDRTI GRANT NTDUA
 TANUT TUART DDRUW AWAUN NUADR UIDGG UNRTU WIRTD WGRDN RWGNG
 GDNNA DAWIW AAUWA DDAGW NWITT DDWRT NRDGW TRUAW RNWDI RITII
 UIGUR WINWI ADRTR ARTDW WITAI RGGID RTAAU WIWRR AUADN NTRWI

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IAITA IAITA IAITA IAITA IAITA = = =

RDRDR WGDRA UWATI NTTIN IAAUI UGRAD DUTAU RDINI GITGT DAWWT
 UAGTN WUTNI RRAAI ATWUR WTGUA ATGNR UDWNU UWDDW TDDDG RUGUW
 IGGAU RTAAD NDGRG RIWRU UIUUG DTAUU RTGUW DWWTR TNUNG AINAI
 NDIDA AADID NRNIU ITUAN AIUGI DWWNU GAAWR DUWUT NGAGT NRRAU
 IAWNG TGDNR RTTRW AATTN RAIAT WNNGR AIWRI AGRTG URGWW WADGI
 NNGNN WWDAW UDATN RGIIW NUGRU DDIUW DNWAR TAAGA GNNAT NNNNN
 IRWDN DNIAD WTWNR UGGTI ITWGD WWIRD GGGWW RAAIN RNIRT GTRTD
 DDITI TWGGN NWUAD ARDWT TWWAR DTNTR WIGUA TDUWI URNUT DGIAA
 IAWNT AGIUG WTIIA UDDGU NAGDR IAAUW IRDRN AWRRD TUGUA UARTN
 DNIRD TAUGA WUDNG ATIUT NUIIG AUNRN TDDTG NGWTI IGTUN NGNUW
 WDDAR GAGAN DGNDG TRNGD TAANT RGRAI DTARR UTTAI RIRUI DRTUW
 DGITU AATNU WTRUT NWAAR RTNTR WGURW DWNWU UADUD GDNTN IGTNT
 WUNRN TNUID WRNAR IANUT DUWGA WTUWN DNITR NUIAW AADGT NDTGR
 TARAU UIARW UUTDT ARGNU RIUTG NUITI ANAGD ARNWI URATN ARDGN
 AGAAW IADNG IRDUD UNAAD TDWTT UWTAU AWNTU AUGIU GTGTA NNDAI

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WAAIA RNGAA IWNDN

WAAIA WAAIA WAAIA WAAIA WAAIA = = =

TRWGR DTWNI AWTWW ADTTA DNGNG TARDI TDNIU NTIRA TITIU DGUNN
 UADGA IAGDA DIWDU RRUUN GTGTR WNDNU IGDW NTRID IUDUT TTGWN
 RDATAI NWDTG URIUT RTTDD RAGAU TGGGG TWRUI RNANA GITTT NNADG
 GTIDN GTDAI AAIGA IDRDI WATDI IGRAD NATUW IADGD NWTND AGDRW
 RTTDD GRAID AAGTN NNTTA IWUTR AIRNN UDDWA AUNIG INANN RNWUI
 GTIUT IDNIA RTITA TAGRU IIRTU RTGID NITNU NAAAT TTIDI AGAWA
 IWUIT TIIDW IDDTN WUDTN NIAGD WIIWA DDUGT RINGG TTWGI NDGIN
 WATTG AIAAA AWWRU GURAU AGARA AURNT WANGW ATWUA NRDGN RTWWU
 AADAI GTWDN DIUTI TNWNG NUNGU TADDR DAARA UWURG DDUIT DIGDW
 AATWW IADGT NDRNA NNTII RNUTR GUDIW ARGIN IDNWI NIWTT DNTUR
 WUNUR IWUTW NIGDI NNWRU WNRGU NUNUT UDTGD TAIUW AIRTU NGWTT
 IGDUI NNDRW TWITR DAUWG WTIGT DRRDG UNADI NTGTU ATINR DTRNU
 NDITT NDUUU IAATN UAIAG UWGWT NNADA NTATR WAUND WNNUD TIDAW
 IAIWU DGNNN WUGID UTDII AIDTA WDRWA ATTDU GANUI AAUDG DGWUU
 IIGTT TTWGU RUTNT WUNGA GUNRR ATAAN UDURA WTWRD RDTIN GUDRR

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RNGAA RNGAA RNGAA RNGAA RNGAA = = =

ADGWN WRWIR TNUNT NWGRG AIIGA TADUT IAANU UWUWU UTWRA AWWIA
 DARGT GWWUA TRTAR WAGIA RTNIT UGTUA NGTGR ITTNT GGDTW UGTIN
 UAUWT IDAGA NGNAR AGIAU RIDRU NUNGU IWTIG RGTNA WRANW RUDUR
 IRRNA GANID UUIND UUUGI WTDGR TDRNA NRWRT AIAID TWNRR RIDGD
 TNINT INUNW WAIUG IUDAG DTNNR TGWUN NTATT TDDAT ITGWU IWGWU
 WAIUR UGUTR INUTG WRGID ATTRN WUAUT IWURU RTTNW TGNTU AUDUG
 UARWU RGRNA ARGTG WRUGG AGTAU RAAWI AWAGG NTUAN NATGN DGTNR
 WINWG IUTAT DWANN IARRI NURNT GNNNU GRNTN WUGUD UGTUG ITADG
 WRRNR RDUDA WNIDN UIWGN TDGWN TNGUG NDRRU TIGWW GTNAT NRAAN
 IAWNR WUWUW AUGGA DUUAN AIAAR IDNNW TWNWT RNTAG DIDGG WRUNT
 UINTU NINAG NRIGU AWDAA RGTGA WRNWD DINAN UGWRD UNUTI RNNAN
 TRRNW NNWAR DDIIT DAIIT AWDWD IDIUA UTNWW TDNTD IGTAG TWGGA
 TRWTT AGWGN WTTWT WWDNR RTTNA WNNIG IIGAU NTDRU WURUR DRUGI
 RDTTW DRAGR DNGRD GNITN IWWTR IUNGW TADAW WITTA ANARG ATARU
 IUTGR RRRRI RDTUT TWARW ADWDI TIUIG TNRAW ATRUT GIATT UGDTI

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IWNDN IWNDN IWNDN IWNDN IWNDN = = =

NGTAI NIANA TGTRU TADDA UTTWG NDNDN GRUHN RIUNW DDTAU TWNTD
 DRWRA UTGAR WIGIT GTIDI ADADW WTDGI AUJIIW TAWAW NUDWI GDWUT
 DRAIR UGWAA UIGAI UIIIU DADIG ITDND DUART NDGIA GDWIR RTUTT
 GGAGA NGDRT NNIDI TIDIW IUIWN WNIII NUIA UDDA GDDUD TDNGU
 DTDTR WAAAA WDTAN WGDW RTDNR DDNRD GNNWT AWIRA NTNUN UGDUW
 URWIU RURUD DTING ADNWI WARNI TTATN IAIWN DWNGA IDDGW IGDIG
 UARUW UAWNG TTINW GDDRW WINII RGGI GRTDI NANUA RNGWT WRWIU
 RITIG GIAIG RDDUG RNITW WUNTW IRITR GDGUT IRNTU INAGW GRRNU
 WNWIN GDDWW DDUWG TRAIA RWTGT GNIGU UIRRU GNAGT TNWWW RRAIG
 TUARG TTAGD WUWRT AUNRW TNGU WINAW WGRWG DANUG DNDGA GIUDR
 RNGWT NTGTR IUDNW AUJID NUAIG IWAAN UIJII RUGAR WDARR NAADW
 TRIDI ARDAN NGRIA AUJII RWAUD IARNN WRDRA GAWAT DDUND UAAGD
 RTWGI RNDWW AINWI NTUGN DGTGU TUIUN TANII WTTUW UAITW DARII
 RIIGD DTRTT RNWGU IDTRI RRNTW IDNGD UINWN WUGGD INRGT TTRNA
 TTGWG TDIDN WARWD ATGAG TIDIA WIUTU DIITT IGWRI TDUAN TINAR

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8096 kHz, 28-01, 1359 UTC. The first message was already in progress when the transmission started

IGGDT RDGTU DINRD IGTAU AWIUU NUGRN TGTIR NIUIT IDNUR
DTWII RATTR TANWN DIDRA DDUDA TNWTW GAAUI DARDN IDTDI UIUWU
WUNWG UWRAR TATNR TIDID NDDIW WDWGA TRGIA GGAIK IDWDI DNAAG
WWWI GNDWA TUWWI TRRDI RWRRT WWRUN WUIDG TDIGG WTRTI WGGNA
WGUUR RGAIK UNGAT GNGNI IWUNU NGUNA TATNG NTWAG INADW DGGUT
GTRIG WDAWR WTIRN RNTNN TGDNU RGAUU ITUGW WUDDW AUDRD NGDUI
URRRN RUGDI AGNGD IGTUG DGDHN AGWTR WTGIA IDGAA TADIW GINRG
TWGUD UURGR NAIUR UGRIU DTGWG NAUAI GRIDN GGWDG ATTUT TIWWD
GNUGA RGDIT GAUWU GGTUN AUDDU RWGIR DTGGN IWIIT AUNGN WDAWT
IAGWT RTGDI RRNND GTAIU TTDGR TWRRN NGNTU WUUAD RTINT IGNWG
RGRID DUDUR DIRNU IRURN RIIUG GANNR NIWWI GWDNI GWIIT RANDI
DNDGW INDGI UGGTT UGND DRRAR DWAIU AWAIA WUGNT UWUTT NNAUN
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RNUNA RNUNA RNUNA RNUNA RNUNA = = =
NGUGN NGDIN UIWDA UGAAR GUAUW GWARG TWGTG UTUTD GIAGD NGRNN
IGDAT INWAT TIDAG WGAIN UIGTD TRADN RIDIR TNNWU WURNR AAWUA
WNUDA UWUIT IIRDI TIDDT NDDAU AUUTD WUDD NAGDR DRAWT DGUWA
IRTGU WTNDW NNRNR WVGNU IAAAR GTGAN DRUAU WGRNR GTNAR DIGWD
INGWN GDTDT NNNTA IADNW TTTTI ARGWA TRTTI RWNRG DNDTG DRDUU
ANTNN TGUTW IDWRN NGUTI GWRAR INATG TDGGU DGANR WUIDI URUTT
RWWD RIDTN AGNWI NDNRN TRDWR DRDDR URRUA DTNGA WNADD UIWNW
IWIRI UTAAN URNRG WNTRA DDANN WIIGR UIARD IIAWI TDANW RRWDA
IDIWD UITGW RUNUN DUGDW DUDDA WDNNR WADRA DTNTT INWIN INNIG
IADAU NWTTA UIUDR WGWAT DGRTN IGRWG RITTT IDDN UUGN TRUWT
GTDRR TUGWN UWANT IGRUW NUWAI AUAWN AIRUW DGTWN TNIRD RNTRR
TANRG DNURR TTTAT GWRUR NWIAG DGDDW NAWWG NNRGI WRUTI DIWAW
NUAUN WRUAD DAGTW IAAU AUIRD TDGTT ARNNI IDTRN WAITG URNWA
DDGDN DIGAU GUDRD TWWIN TDDWN AIIUW IRAAN RRDUR IWRDI RUUUR
TWNRT RGADT IGDND IUUNT NGAUA NWUDT WRTGI WWRGA WUUTG RTUGA
+ + +

IWGN IWGN IWGN IWGN IWGN = = =
DTUTI TRWUD GGTIG GNDAT RITGR IUDNR IAATN GNNIG TADDD WTIWD
TRTTU TIWAA DDNUN DWADU NADAU DADGG IRIWT UNWTN WADTG RNIGG
UDDNT GWRGN IDIWN GUGUU GDNAG GWUWW RURUU TIDWW NNTDN TIGAD
GWDAI ANATT IGTDR WUUNI WDNGN AATGR RTAGT GNDRN AAWDA NDIAD
WTNTN DNGNR ARDAU AAIUU AUTGR NUUNA RIUTR NTDIG RDIUD TIUNT
UDWIT NGIGN RIDDA DUDUU NDWTD DIDIU INIAU WWANG WNIAI UUIRI
GIGWA GNNWR IUWUD ARAWR UIRAR IUWII RUATD RWIUG NATAN UIGAA
GIINA UNDUU NIWNA WDANI UIUDA IWWGW DNWRN AINAR IRUAW UAUTN
UNDUU RWTUW TATDT DAIIU IWTRD GRIGN DNGTN RWNWA GIGTN NIIRN
IIWNU IGNTI UUGUT DNURW GTIDT AUDRA NURRI GGDDA UIGIA NWGDD
WADGD WTNDR UWNAD DDGNA WUTAA TTAAR RRTRA RIDGW GGUAN NDGTR
IDAGW DGNDN WNNWU GAUDG UIRAT AIADG UGWTG AANAD WNGAR GDIID
NIIWN WWURU ATNDW DRINA GGIUG ITDWT UWATD GRRGW WWAUR TTDRA
GDIAG NRRTD NUDGN TTNDW AUNIG DIGDD WWWWD WWAUI UANRU GDNUT
TNNUR AAURN DAIDA IDGGW NUTWA TDUTN UTWNR IGGTD TDADN WTNIT
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8096 kHz, 29-01, 1357 UTC. 3 messages. No preamble but right into the messages

I probably made several errors because of the interference of a very annoying voice station that popped up on 8095 kHz.

DIDDA DIDDA DIDDA DIDDA DIDDA = = =

TTRNN ANDDA TNNAU TNRRRI NUAAD ATIGA WRGWD NTUGR URRDU IDUGN
AGUUU WNIAW WDIOT DTAWN TNIUR UDWDU GRGIR RRWD TADRR RWGNA
RRTND NWAGA INWWN WARTD TIWGN NDUIG UAAAA GINNA DUGRN NNDRR
AIWAI DDUGW GGGGI DTDDN WWUDU DTGWT ARARI TDRAG WGRUU ITGRT
DUTGA RWTIG TNUNU GGDID RNWDN TGDGA GATUA GUWAN WNIRW IWNWT
NITWN TAGWI TIGDN URWDD AGRNT WTUTT WIRNU ARGTW IAIRA ATIIU
DUWTA GUAGG TGRUI TATAN UUUAG ATDNR GDRIW DTDGD IWNUN IDRRT
TDTWU WDNAN UWWNT NTATT RDURG IRUNN RTWUI DNTTI INUAI WGITU
NDGUR AIDDT GAARA ANGNR TNIRR TRTUG WUGIW UDUAD UNRGU UGRNU
DGWRN IUIRI DAGUT RNWWT IUTUR RNRDG TGDWN AADAG WNTAT IWTWG
URGAA NRRDG RNAWT GDAWG GTNAU GTTDD RWWND TWTDU NTUUR ANWIG
UARNT DNWNU ADRDN GUGTD ANDGG UAIDT NWTRW NNURW UGDTA TNTAR
NNGTN IWAND TNRRD RDAIA GUAGI WWINA WTIDI RIAID ARNDN RUIRU
IDNGN NWTUN NGITT RDTGW TAUWU UNRWA DADWT GARNU RDNWA RNRAD
DIWIA IGNGU IRRWA DAWGD RIAAW GDARD ADRTA DRAWD GRNIN IGGTU

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UARWN UARWN UARWN UARWN UARWN = = =

GGRUU DINTG RRDGI TTRDN GGWIN NRRIN ADDWD IUGNT RDUNG NTWRU
RADIR DWRTW UNWAU IRRWW UNDTR WDRWU DGNAN UTNTA IGGRG NTNIT
AITWI GRNDT TUNAD INDWN URWRT WNDGR IGIW IIGND TNWDR ATIAD
WTTTW NIDRA UIDIT RRIIT TTDWR GWIAD GAIWD NIUW DTUNA ARAGN
TIDAR UIDTI UWRNR WDRAN DGWTT WDIRT TINAW DNUDU WNUUI RADNW
GTGUD IRDIW AWDGT RDAGU RUDWA GDNUR RARUI NTNUT WIARG AUNWA
TDUWR IWUAU WGIUN WWIUI UTDRA TTRN RAWUT ANDDW IWGAU RIRUW
IWWIN GWIRW RUGWU NGDAT AUTUU IRIRW ADUUI WUTAT NDUNT GGNRI
ADADI RRAWT UNTAG WRGGA UUIAR ANAGD RIGIN NNWUI NGATD AUAAT
AWWWN NGUWU TURAT INIWN NADIR UWRUW NWRTU DTUGG RUITT DTTIV
ADNTI NRRNU NNGDR UUIIN TUUTI DUDTW NAWDR GAARG AATIG NTNRN
DWUIG WGTWI WTAWD NGIDN IGAIN IGNUT RIGTR WDDTT IWUUU ADNNN
WUNWN WNIRR UTANT RRUDW ADTIA DGWUU IWDAD NWGUI DNNAI DNUDU
ININW UTRGU INAUW ATUUD NWRGG UUWRU IIGTG NDWUI INWRU NNGAD
DIGTU UAWNN IRRDG RUIGR RWUUA DNIDA ATINT TDTUA NGIUR NRAWT

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RUAGA RUAGA RUAGA RUAGA RUAGA = = =

UIUWW IUGGT INNAW UARII IWTTN GTAWN WUTT? G???? TTRAW RIRWA
IWTUA TNIAG DIUIU IUGDR RTAIG UNTAN RUAGW ANNIN UDNRR TUNUU
TWGND DAUUT ITDWA RUUUI RRUNR DNNUI NIRAA UIIDN RANAU IWINU
IUDNI IRIGN TIATU DIWNG URGTD ANTIR TAGDU TWARW RTUTD TDWTU
NWIRW UNAAN AIDRW NATUG GRDGI RUUUU AGNND DIWGU GAAIN TDWNT
RWRIN ATDGR GNGWN UIRNG AAUUU WWIRR RUWNN AAIWR UUGWU NTIAW
GIWUA NGNNT GAIID GADDG TITIU TUURN RUNTI DUADA ADUDT DRGDA
TIDTR IGUIT NRWDW ADTAR GRNAN UDTNR RNWAR TDIDU IDIWU NUTWN
NNIIU TUGUG ITAAG ADIWU TANGU DDRTN INTAU NRIIT AWRNU NTWNI
WWAAA DGWRI GATUN ANAGG UIUWI GRGRU NRTTI IAGWD IRNAU NWDGI
AUIUI NRGRW IDWWW TUTTT RINGI IGTNN AIUAW TIGAD UAGUR WNINA
TANRI IITDI WWGII TARAW GRIGW TDWIN UNTNA RAWGA DAADN INAAD
DTUNG TATWW UIDIT GRDDG DNURG AUTIR UAUGW RRGIT IRWID ADTDT
WDIGU TAWRW WRWRD GURAG TWDIU ARGTG TTTTR UUGAR RAWWD TGAGW
AWINN IRNRU NRIAA RIWGR RTIUG RGTUT NNTUG WTTTG IWWNG DDANR

+ + + SK

10457/9047/7547 kHz, 07-01, 1400/1420/1440 UTC

505 505 505 1 120 167 120 167
18986 77080 17475 34770 99037 85570 15426 45077 90752 91054
29774 49343 93175 54734 19475 65877 70164 16997 82349 35725
60612 72007 38180 77422 78452 81424 17532 50017 04539 64219
87095 39355 94139 16870 90181 70739 93342 15722 94671 50137
54040 84494 35161 80564 58517 53469 22871 64139 21970 02410
13823 59687 00206 62463 48648 47809 56385 93720 30396 87161
22023 39545 58938 33301 47944 07571 24751 47149 77280 48972
57808 82713 61654 84508 11202 17236 37554 53221 77500 92454
73113 64498 61083 30052 25252 96022 67306 48054 98037 46668
64689 93162 86775 26357 72773 38472 02176 87180 15579 66630
31078 05696 00648 19864 94068 30541 78757 55638 61412 51492
04067 47916 32843 04021 26596 91307 15775 92100 28449 21870
93245 31367 72447 85866 01502 64696 94854 25403 18196 31561
86241 24869 44843 76143 45235 73266 44981 42188 06788 85112
59607 35345 49672 15201 47190 14379 30779 73899 30096 99603
03754 05098 05386 20577 07514 22062 95124 90820 15274 93115
98052 59965 54845 06860 61452 76101 02292 000 000

10547/9047/7547 kHz, 09-01, 1400/1420/1440 UTC

505 505 505 1 120 167 120 167
18986 77080 17475 34770 99037 85570 15426 45077 90752 91054
29774 49343 93175 54734 19475 65877 70164 16997 82349 35725
60612 72007 38180 77422 78452 81424 17532 50017 04539 64219
87095 39355 94139 16870 90181 70739 93342 15722 94671 50137
54040 84494 35161 80564 58517 53469 22871 64139 21970 02410
13823 59687 00206 62463 48648 47809 56385 93720 30396 87161
22023 39545 58938 33301 47944 07571 24751 47149 77280 48972
57808 82713 61654 84508 11202 17236 37554 53221 77500 92454
73113 64498 61083 30052 25252 96022 67306 48054 98037 46668
64689 93162 86775 26357 72773 38472 02176 87180 15579 66630
31078 05696 05698 19864 94068 30541 78757 55638 61412 51492
04067 47916 32843 04021 26596 91307 15775 92100 28449 21870
93245 31367 72447 85866 01502 64696 94854 25403 18196 31561
86241 24869 44843 76143 45235 73266 44981 42188 06788 85112
59607 35345 49672 15201 47190 14379 30779 73899 30096 99603
03754 05098 05386 20577 07514 22062 95124 94820 15274 93115
98052 59965 54845 06860 61452 76101 02292 000 000

13369/14669/15969 kHz, 10-01/13-01, 1010/1030/1050 UTC

369 369 369 1 597 107 597 107
85497 93244 06056 91131 93131 97461 41025 14262 17698 13419
62452 31273 49564 64059 80064 41190 35827 88515 29790 04209
14865 99975 61522 41833 14197 81251 59255 45750 18499 92197
49235 49669 36984 27947 55839 08850 06019 27135 68968 72612
41347 11109 58420 90361 32334 54910 81286 77812 93643 79762
63874 05971 65287 16319 83170 91724 97006 86815 93192 65889
97816 99725 55855 70487 01857 36949 45920 12008 97572 13642
16400 19272 27123 29103 35048 20206 71607 83930 84742 37265
48333 92165 56418 17753 50903 70526 62879 12983 43583 32957
01227 33693 87834 05129 07145 34831 04913 29893 51940 56209
95981 82299 19700 22528 29873 92286 84468 000 000

10343/9264/8116 kHz, 10-01, 1900/1920/1940 UTC

124 124 124 1 2975 117 2975 117

70485 51109 24762 05046 67002 23379 24099 98729 76594 15534
52417 43430 67922 43909 35207 01753 45907 88587 38494 30256
29546 68627 73010 11665 11049 45835 46401 45252 51647 48922
36290 62526 10813 04480 77417 72431 13571 26121 37076 00548
32184 50576 88280 77231 64739 97121 93160 41888 61303 05634
33717 46956 88720 47276 18323 21621 23999 55186 42350 15131
56834 71257 79409 64245 69953 77302 96869 57638 35476 31975
17528 26499 47617 29762 21204 53065 51331 77688 95266 52124
91068 20805 87229 97068 69482 00767 55685 66700 23751 30058
71702 76666 02250 79941 54913 05009 98952 90379 42206 92231
13806 23180 48316 87348 65178 51758 64110 56069 62019 05734
41835 62251 49484 56111 71795 17724 10724 000 000

5778/6778/8178 kHz, 09-01/11-01, 2200/2220/2240 UTC

771 771 771 1 106 127 106 127

83524 94279 49123 04345 62820 81542 88609 76851 83493 71029
39510 82049 92288 39753 77202 25950 04846 44710 59773 33020
84534 89110 58954 10611 19386 88172 78499 60305 99394 18268
52952 45332 60680 41153 39574 45194 57016 82079 34184 36740
33758 10632 82600 58762 15109 56097 05664 29635 30018 59882
08405 24636 82527 78479 92299 06810 02584 79963 29604 17148
97829 34459 33364 35514 41666 80138 17284 67164 54529 10039
72490 22699 45547 69204 42809 90092 97019 69285 48556 24335
63626 01420 34102 78625 13739 27418 23606 89306 43596 93880
24131 61300 73961 63820 28178 63813 21178 13981 10104 02440
10634 33285 62034 46176 45920 57407 32568 03141 43548 78074
80417 19808 94212 45748 07726 78551 69084 28417 91079 19889
56479 93693 49711 01144 10366 41666 02495 000 000

5838/7438/9238 kHz, 12-01, 0600/0620/0640 UTC

842 842 842 1 9023 83 9023 83

82499 36182 51569 69438 08866 51635 18702 60738 35540 98491
80766 86560 20826 34590 38465 16776 63904 23954 95721 88822
45564 54884 71200 11333 32174 32666 96728 51049 50824 39987
85694 99123 17526 53216 83732 73545 66879 07771 98441 53025
10698 63846 98320 45349 05932 41766 17377 35288 83518 85042
29399 05092 98776 95533 95537 21527 48916 93346 15458 27524
21072 20341 94254 96283 23282 76259 50607 52350 82492 47750
69158 86983 36815 41456 79668 27470 83584 75466 12769 64415
17037 88178 11609 000 000

8047/6902/5788 kHz, 14-01, 1840 UTC

463 463 463 1 8794 91 8794 91

60719 81330 52431 04189 92579 37041 66985 12193 28332 76339
99333 53991 38791 51324 70124 07040 94353 25683 47129 11613
43197 90900 20862 16581 41895 98833 65055 79387 10279 28357
57437 80567 87082 86106 39806 18196 66980 26243 37838 03876
12660 39054 63924 20463 55643 59815 09483 91740 01948 58593
06513 02238 62153 14479 79959 76845 01611 93495 73278 48769
47198 35691 30178 16069 51405 04418 02336 64264 81926 31035
02166 83749 14015 97711 95053 63341 99496 77074 03763 33579
46682 69425 21732 99052 59259 60450 97928 97593 36692 72077
31529 000 000

10343/9264/8116 kHz, 14-01, 1900/1920/1940

124 124 124 1 4057 106 4057 106
65296 57995 87123 00584 35026 85742 06851 10955 77708 97690
93166 12090 20675 96213 86281 67142 54762 58163 23579 24558
06014 34248 05602 78214 14721 61297 85412 69897 40871 33206
69610 75071 36341 04324 45216 24262 36100 09492 82245 95926
77845 73757 95443 31821 18507 67773 52978 13541 98746 26511
35606 10856 72369 10117 64002 36308 18606 94782 81906 09554
56230 24096 08097 47009 67611 19561 79859 68453 17612 82890
46417 17893 82346 68654 37916 75561 39102 98547 07041 23201
18650 35161 88019 07855 11160 01974 23175 69963 32690 32634
41125 92735 38515 21179 34553 60282 31568 37239 41947 70096
14742 43413 22429 85633 71451 57598 000 000

13932/13532/12132 kHz, 16-01, 1310/1330/1350 UTC

951 951 951 1 8900 145 8900 145
65013 14237 53818 81011 32039 08874 55651 24408 78294 98326
65677 38493 22744 89957 67310 00595 20849 25472 47719 67881
74626 46526 14876 82079 92347 15211 41916 10811 61394 91718
69827 54208 74188 33960 42459 48165 84966 17244 30730 10684
18652 56964 30456 39164 13932 96965 36038 98906 19138 42358
06801 99941 96598 45496 30194 22245 93033 83445 07498 99367
01572 04360 72582 88432 73366 08131 83516 91254 90556 92298
46377 58565 00919 46652 09128 00118 69532 51941 30074 31784
16429 46075 87351 76854 95875 00079 02020 09421 64292 67895
90351 79247 05847 14696 05676 05049 73292 87429 80447 64168
14841 83958 21557 11139 96452 04244 49757 59725 58710 07725
05972 87193 07609 63384 93213 56136 69359 72623 59614 71281
80161 79733 29598 09400 74420 56764 24235 00200 62798 72344
59659 31842 13001 60252 85361 94889 82203 57831 49482 29429
96337 34605 78236 78392 73291 000 000

10343/9264/8116 kHz, 17-01, 1900/1920/1940

124 124 124 1 7626 110 7626 110
09485 88698 03814 84443 54765 42315 76837 14617 59821 12602
31927 22539 60682 75105 01724 55587 06617 11441 33327 57260
07784 87726 91001 66393 31701 16894 46646 90773 43837 66288
94963 33799 32186 68912 38669 94692 23386 42749 05997 78587
93520 17805 07516 23053 46064 05110 22235 90374 37076 86989
40887 81439 33908 87173 78157 10595 37778 76724 97621 64159
04596 45935 31002 64411 93957 55588 68815 34939 15364 94139
78839 07643 07594 83043 11062 29192 80212 39043 29798 14477
84277 04757 19787 28507 11939 08188 80865 70193 27517 06249
99223 19170 14662 92336 13062 17540 29457 82066 51508 19148
05970 77064 88000 00285 62132 40159 61427 56616 28879 96166
000 000

8047/6902/5788 kHz, 21-01, 1800/1820/1840 UTC

463 463 463 1 6910 99 6910 99
19175 72646 56962 73663 79099 16111 65071 09457 93311 33056
23230 42249 67088 53024 17956 83046 78352 19983 88658 26624
65942 57309 94929 24410 97580 90124 69720 32004 90593 41414
36961 21334 33384 09830 75929 51889 85179 55208 82847 47232
25560 85645 47853 15388 97789 47298 53962 76842 22970 11648
13239 51711 90948 73313 20743 48087 58658 53108 36172 26970
26501 93337 48967 26613 06803 50917 03253 43277 27200 67964
48309 99977 73281 01072 84992 17902 75236 18703 75616 88230
13225 98927 01129 00032 34611 32629 46669 32156 43345 19460
32809 60857 45918 55698 07519 82757 61781 19291 49620 000 000

10547/9047/7547 kHz, 21-01/23-01, 1400/1420/1440 UTC

505 505 505 1 225 145 225 145
88242 92714 75880 77099 94910 54076 24045 08237 60917 34647
06001 42301 25959 65481 33627 98633 76170 83889 29224 32045
21513 82182 59473 70294 75302 11699 58711 88510 69542 79554
33866 41176 31096 15128 96139 47712 74732 83605 67071 26442
92488 25570 49290 52485 38045 56409 71780 99016 04251 26793
70128 74666 55801 05418 95081 92093 52490 07066 38273 54406
58257 72673 83583 72755 76663 68762 05330 98119 77597 59735
54055 74404 03637 59472 95012 71319 68429 23923 77236 77745
05602 94945 99970 33350 27139 54423 56549 57335 33953 09952
13093 87573 13391 50082 03501 05044 83413 81642 78162 87462
43263 26656 60374 23037 50694 03858 53838 21351 23882 77227
63330 30984 48315 53803 73607 33782 35980 64706 91997 53803
28373 35028 59466 48312 31983 26019 97794 60331 40642 64891
31937 78596 70029 24138 73605 41297 20894 01767 98679 55587
76436 82515 97289 33740 38110 000 000

5361/4461/4061 kHz, 23-01, 2200/2220/2240 UTC

340 340 340 1 4651 99 4651 99
12014 58717 01995 15700 11113 12431 89216 21196 14912 01056
25802 76392 17026 09011 21516 75432 82721 44218 03459 91599
94645 56263 61132 45546 79240 69684 41327 62223 58198 82690
87076 48110 06089 72784 19212 64715 01471 58913 07478 21703
85231 63295 53807 65050 51425 00551 10167 00084 70357 65356
93465 35556 52654 98836 34544 89314 68140 58106 46908 24431
79390 24583 13068 08009 17679 99123 58960 60833 82448 22145
95886 92034 79128 54896 81719 37303 64691 66330 21164 89799
52494 54582 52903 11635 25663 19202 34510 14820 27963 57422
44203 65414 60968 99148 23511 11423 52653 17664 42650 000 000

13369/14669/15969 kHz, 24-01/27-01, 1010/1030/1050 UTC

369 369 369 1 3318 157 3318 157
64154 85156 23933 07234 39028 07273 08831 90119 53808 19059
52495 90771 03945 09908 31893 89606 62154 20564 71873 72708
03553 35138 02710 68275 76653 17488 84289 82087 03937 58582
35545 86962 53898 41050 85846 54647 69116 59403 59096 83378
88191 55442 98237 52296 46247 27305 42787 06819 57136 74295
57198 16097 33668 60342 45649 93708 95990 05741 97495 38555
44849 26389 60221 74166 05504 13130 57459 40208 93167 29693
93638 62474 75972 59417 27148 84110 78432 27270 58525 24639
14445 06422 33218 71575 57929 95084 24266 99054 06207 47064
06608 79315 57234 17153 44998 02689 76714 06362 95465 49953
58351 66938 41134 30220 04049 88949 63481 08976 83522 59792
52760 85193 07306 52768 29974 09111 05671 81377 00915 21496
87827 29079 94390 47148 62387 36597 65418 75984 34550 99275
03527 12664 60423 74324 56408 91928 85188 74348 66151 24116
66362 28923 25715 82064 85333 33303 90266 77434 74945 41481
14402 55625 06039 28414 82810 17482 62462 000 000

10343/9264/8116 kHz, 24-01, 1900/1920/1940 UTC

124 124 124 1 3688 112 3688 112
42801 85455 00333 02131 26714 41175 15213 21071 39500 34722
18184 28823 36709 52544 65504 16472 64645 97768 17266 12266
60164 59153 04492 40454 42622 34783 64541 37076 64388 28628
88341 00208 98891 50861 17010 40181 52955 28534 34472 94200
67554 79307 57084 64777 84739 08105 65973 71129 15402 04572
12548 85295 17053 33192 32033 13738 01785 87869 43853 76396
34600 43731 45257 51586 74123 48274 35028 62927 41332 95823
35366 65701 36890 92893 27083 04127 80892 47885 38533 72373
42077 15877 22093 16794 23790 49198 77666 39439 88313 76127
38664 29616 00689 32940 97300 64328 17809 55410 24044 40705
82217 25798 85242 36554 86823 45850 01240 10240 78253 84127
79242 31591 000 000

5778/6778/8178 kHz, 25-01/26-01, 2200/2220/2240 UTC

771 771 771 2382 123 2382 123
60073 76711 49975 93458 02785 09659 23195 09918 05529 71102
50382 65592 59617 13711 99141 48711 50067 55082 83248 53170
66641 21425 33558 45723 30715 10648 29868 72483 05116 90057
28401 78493 59428 29680 48319 43456 47352 79257 83094 69003
64773 36157 69258 07897 85412 30244 69910 73490 86768 55317
62101 72358 19070 64600 99982 34536 54430 09319 63104 10517
66606 21971 14767 71739 30253 13012 35792 16637 02153 96201
63186 59722 70496 55098 11089 41860 41652 60572 75594 20251
45406 36163 94374 78780 44057 66115 01165 61415 93322 00927
03378 88151 18388 72099 54800 86746 52291 38378 13683 32057
54561 32338 24446 93284 48043 55318 50448 80815 22028 06454
97012 51656 19023 60119 04885 30535 18891 99613 99966 35896
30063 99233 00344 000 000

5838/7438/9238 kHz, 26-01, 0600/0620/0640 UTC

842 842 842 1 4651 99 4651 99
12014 58717 01995 15700 11113 12431 89216 21196 14912 01056
25802 76392 17026 09011 21516 75432 82721 44218 03459 91599
94645 56263 61132 45546 79240 69684 41327 62223 58198 82690
87076 48110 06089 72784 19212 64715 01471 58913 07478 21703
85231 63295 53807 65050 51425 00551 10167 00084 70357 65356
93465 35556 52654 98836 34544 89314 68140 58106 46908 24431
79390 24583 13068 08009 17679 99123 58960 60833 82448 22145
95886 92034 79128 54896 81719 37303 64691 66330 21164 89799
52494 54582 52903 11635 25663 19202 34510 14820 27963 57422
44203 65414 60968 99148 23511 11423 52653 17664 42650 000 000

10343/9264/8116 kHz, 31-01, 1900/1920/1940 UTC

124 124 124 1 4253 110 4253 110
73168 15297 10050 62650 59086 67910 06884 09303 69506 35064
64086 51148 97769 69778 19409 20813 25566 83011 15883 16231
05099 61368 70733 95318 77413 21644 10237 23823 76112 05860
15411 67351 30919 43980 46679 17640 21393 19845 90199 48141
90493 50249 14938 16072 20855 77560 09281 54602 76878 60641
79491 05812 54466 88146 82032 78930 36517 10536 77941 04685
11168 15359 56060 72329 58018 57074 32254 41637 02786 88057
29586 37897 43964 38365 61592 91525 78253 53229 49761 13016
44977 07613 34328 00191 87822 19793 67892 42600 84605 02100
65560 76943 25437 56041 85342 05539 52823 43739 99302 76680
49029 42644 71272 49408 54621 30186 66344 86873 03476 73749
000 000

8047/6902/5788 kHz, 28-01, 1800/1820/1840 UTC

463 463 463 1 826 149 826 149
57948 84042 91705 29702 85241 86447 50931 03121 55181 97698
36935 15809 91104 54488 69790 09607 51122 35288 06909 06831
63499 03343 92584 50944 44486 43961 39505 44956 95338 01272
37733 45176 28910 13153 66573 24254 58675 55062 98447 93107
70008 22010 87488 75799 46976 12180 97773 57147 95158 58057
56764 61216 77217 68988 70832 78563 44462 93488 86689 78882
02579 91355 84826 65136 57517 82197 39875 45584 99219 67956
01123 89715 77086 98717 16954 50252 77200 33601 93514 71915
14608 21895 99740 22231 80916 05409 57764 04525 57932 47660
87388 08595 17379 02274 05065 94367 48287 00973 48511 62913
61199 20226 08315 59959 17318 54915 70107 43918 59559 94849
04984 26623 33393 57634 79270 51732 68453 17324 56176 53629
67873 04423 44356 64487 49970 63503 86381 67854 37328 06103
24105 47532 37146 72755 13952 58126 61315 53572 66006 39694
46482 21633 68719 26901 80209 50761 79148 02611 93039 000 000

M14**4730/4650 kHz, 05-01, 0800/0900 UTC**

523 135 135 43 43 = =
46781 90571 37290 57189 68109 49109 74190 75821 84913 57189
90157 48239 05781 46230 77491 46182 36290 53281 74220 29571
68132 53289 90471 62901 84910 19467 39209 64291 74108 53281
21462 78429 73219 54382 67410 48914 53801 74289 10894 74290
63108 90467 38198
= = 135 135 43 43 00000

4730 kHz, 12-01, 0800 UTC

523 204 204 48 48 = =
47819 28401 39812 46710 87401 01927 83618 51690 21856 61954
58239 26471 38576 45126 57800 64712 30915 67183 26104 47180
67289 10957 27481 14467 72918 30950 18462 48920 57192 82761
39012 09856 35618 28791 39223 77819 20961 58250 37190 45691
46351 80902 55682 39805 66990 37819 28093 33901
= = 204 204 48 48 00000

4650 kHz, 12-01, 0900 UTC. Sending a different message than at 0800 UTC

523 903 903 43 43 = =
78142 35271 89356 78452 90451 21563 89241 09351 47241 63890
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498
37813 54720 63190 73895 04672 14278 43619 90461 72357 89156
26713 33678 90351
= = 903 903 43 43 00000

18041 kHz, 18-01, 0500 UTC

952 163 163 50 50 = =
71519 98584 48335 85138 14137 32576 59808 35147 52684 94305
45743 12868 79621 61187 93762 34221 68587 46605 21752 18396
09331 43325 38620 10403 14224 24798 94612 51379 13540 40324
00857 95089 41698 65000 22842 94048 61644 90380 77504 03719
79565 66812 88620 78201 17126 33355 80178 55883 33410 96246
= = 163 163 50 50 00000

4730/4650 kHz, 19-01, 0800/0900 UTC

523 613 613 22 22 = =

56745 78675 35712 96643 24523 84567 24653 91123 76893 61378

84624 16589 63714 57365 27491 62845 26387 73526 83195 52638

62865 94735 = = 613 613 22 22 00000

4636 kHz, 22-01, 1820 UTC

186 895 895 41 41 = =

78231 45178 90251 46287 63714 45178 67241 35871 10462 77462

84716 35190 67418 94671 25319 35189 05678 37184 56289 64728

90152 36781 90467 22856 14382 46178 94615 89451 22561 66894

99674 35167 78453 78112 45232 90451 26487 36190 64278 94689

56123

= = 186 186 41 41 00000

4761 kHz, 23-01, 1920 UTC

748 895 895 41 41 = =

78231 45178 90251 46287 63714 45178 67241 35871 10462 77462

84716 35190 67418 94671 25319 35189 05678 37184 56289 64728

90152 36781 90467 22856 14382 46178 94615 89451 22561 66894

99674 35167 78453 78112 45232 90451 26487 36190 64278 94689

56123

= = 186 186 41 41 00000

4730/4650 kHz, 26-01, 0800/0900 UTC

523 895 895 41 41 = =

78231 45178 90251 46287 63714 45178 67241 35871 10462 77462

84716 35190 67418 94671 25319 35189 05678 37184 56289 64728

90152 36781 90467 22856 14382 46178 94615 89451 22561 66894

99674 35167 78453 78112 45232 90451 26487 36190 64278 94689

56123

= = 895 895 41 41 00000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**4171 kHz, 20-01, 0836 UTC**

=991136??8????? =991137??8????? =991138??8?????

5860.5 kHz, 20-01, 0942 UTC

=991245??0????? =991246??0????? =991247??0?????

4865.5 kHz, 20-01, 1340 UTC

=991640??8????? =991641??8????? =991642??8?????

6830.5 kHz, 23-01, 0758 UTC

=17301364597855 =27301701080800 =99?1100?9?????

4991.5 kHz, 23-01, 0804 UTC

=991104??0????? =991105??0????? =991106??0?????

4349.5 kHz, 23-01, 1250 UTC

=991550??0????? =991551??0????? =991552??0?????

M41 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

5740 kHz, 20-01, 1330 UTC, i.p.

J3VT J3VT AR

M89 - Chinese military

5566 kHz, 02-01, 1201 UTC, i.p.

CK 481 64 010 EEEE

= T6D6 A657 6344 56A3 ND5U 55TA 3N47

CR3 CR3 0 T T

= 3556 5733 345T T CCK CK

CCK CK 00 156 5 I CTL CTRS

T T T 735 5 CK C9E 9E 910335 55553673 I 5CK 945 S

9W 9W 9 = CK

NR 0011 CK 481 64 0102 0330 RMKS 3223 TO 3240 =

= TD

5212 kHz, 03-01, 1037 UTC, i.p..

QSL 1837 K K

R OK U GA K

R R (1037

FF NR 0003/EX CK 1837 =

CQ2/.D4 AR

FF NR 03/EX 1837 =

CQ2/BD4 AR

FF NR 0003/EX 1837 =

CQ2/BD4 AR K K

R QSL 1839 1839 HR WK NR 160 160 K

R HW WK NR 303 HR WK NR 303 K K

R OK GB SK

R R GB SK K

8060 kHz, 06-01, 0243 UTC, i.p.

V GKSG (x3) DE FJFA (x2)

/20/90/X790.. CON

VV GKSG (X3) DE FJFA (x3) (Cont'd)

HR NR 4020 HR NR 4020 NIL EEEE NIL SK NIL SK

VV GKSG (x3) DE FJFA (x3) (Cont'd)

5300 kHz, 12-01, 0840 UTC, i.p.

565T TDUT N474

R NW 1KNW

NW 1KNW DE HSUW HSUW HSW

R QSL 1641 K

R SK

SK

RPT 1P 160 1G K

R RPT 1P 16W TO 18W K

R BT 7.A5

6049 kHz, 12-01, 0833 UTC, i.p.

5D6N 5N5U 3UDT 54N5 64DN AR K

R 5.W 3UDT K

R OK

WK NR 251 K

R SK

3198 kHz, 21-01, 1510 UTC, i.p.

A375 6A6A 6T63 5DTD ... AR K
R QSL 231. K
A HR QSL 2312 K
R HR WK NR 125
HR WK NR 115 K
NR 33.. K
RPT
....
R NIL SK GB

3523 kHz, 23-01, 1759 UTC, i.p.

AR QSL ?
RPT
RPT
R R
R R GA
PSE MSG GA
R R GA GA
CQ
R R GA

3688 kHz, 23-01, 1835 UTC, i.p.

1P 01W = =
TUV7 6T5A 5NUN UNDU D656 D67T A57D DTDU TUA6 TTDD K
R 11 =
6D7A 56DA 367D 3TD5 A53A DUN6 76AD (Cont'd)

3773 kHz, 29-01, 1535 UTC, i.p.

U44T T34N U3UD 543T ... AR K
R QSL 0035 K (Other station also on this frequency)
R U 7G GA K
= =
NR 297/EX CK 99 88 0130 0020 RMKS 8578 TO 8600 K
R GA
R = = 4NU6 4645 TU63 N4UD DAUT 755T (Cont'd)
AR K QSL ?
R QSL 0042 QSL 0042 HR WK NR 115 K
R R RPT
HR WK NR 115
NR 619 K
R NIL SK GB GB AR
R GB K
AR

3590 kHz, 31-01, 1213 UTC, i.p.

0131 2012 RMKS 574. TO 5008 =
SDD/3 AR
R QSL 2013 K (Both stations on this frequency)
R
HR MSG GA K
R GA K
NR 0995 CK 400 61 0131 2000 RMKS 5008 TO 5748 = =
5DN3 74DA T6N5 D36N 4A7D 6N73 DA75 T3A7 D46T N3U6 AUN6 (Cont'd)

4102 kHz, 31-01, 1234 UTC

VV CK4W DE CG9T K
VV 8MPZ DE CG9T K
VV HIR7 DE CG9T K
VV JOMX DE CG9T K

M95

4243 kHz, 02-01, 1131 UTC

AR

A HR 7G GA

NR 0.. CK 23 35 0103 1634 =

UT5 TTU 3U6 3A4 TTA TTU TT3 773 356 4A5

336 N3D 4AA 445 34A N3U 446 4D6 .3D 4D3

3DA N3D 3DU AR

A HR UP SB WK

Switched to V26 at 1159 UTC

5555 kHz, 02-01, 1127 UTC

05 05 000

05 05 05 05 05

05 05 05 05 05

05 05 05 0 05 05 M 05 05 05 O 05 05

4364//8073 kHz, 02-01, 1131 UTC

V26: callup in Chinese. Female operator

Switched to Q26: 4+4 QPSK 75/3000

Switched to M95 at 1142 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0012 CK 43 35 0102 1547 =

TTA N5U TTU (Cont'd) AR

A HR 7G GA

NR 0013 CK 324 35 0102 1602 =

TTU 3U6 3A. (Cont'd)

4243 kHz, 10-01, 1149 UTC, i.p.

NR 006 CK 28 35 0110 1533 =

5AA UTT T.A 3U6 (Cont'd) AR

7G AGN

NR 006 CK 28 35 0110 1533 =

5AA ATT TAT 3U6 3A4 TTU TT3 773 353 (Cont'd) AR

A HR 7G GA

NR 089 CK 20 35 0110 1554 =

UT5 TAT 3U6 3A4 TTA TTU TT3 773 353 (Cont'd) AR

7G AGN

NR 089 CK 20 35 0110 1554 =

UT5 TAT 3U6 3A4 (Cont'd) AR

A HR 7G GA

NR 20 CK 119 35 0110 1610 =

UT5 TAT 3U6 3A4 TTU N53 TT3 773 353 (Cont'd)

4364//8073 kHz, 10-01

1130 UTC: V26: callup in Chinese. Female operator

1132 UTC, Q26: 4+4 QPSK 75/3000 LSB

1142 UTC: M95

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY (1144z)

NR 0038 CK 23 35 0110 1614 =

TTA N5U TAT N53 TA. N54 7TT TT7 7U6 7T5

77T 6TN 7T5 DA5 DTT N3. DUT NU7 NU5 T4T

7.6 U6D .T7 AR

A HR MSG GA

NR 0039 CK 201 35 0110 16.8 =

TAT 3U6 3AN 3U7 TAU 773 TA7 773 357 (Cont'd)

4980 kHz, 12-01, 0756 UTC, i.p.

VVV

V GTUI DE GM8 EEE

V GTUI DE GMQ. K

BWAHY.. (Both stations on this frequency)

R QSA 2 K

R R ... QSA 1 K

R IEC = 1323 AR K (Associated with Exercise traffic)

R IEC = 1..8. K

R 7G TO U K

R R GA K

R 7G NR 043/CCK CK 19 03 0112 1559 RMKS 7546 TO 7263 R K

R GA K (Message format indicates M95 family)

R 7G GA = 6N5D 3TA. U4N6 5T3D A7U4 6NT5 (Cont'd) AR K

R R OK K

R QSL ? K

R QSL ..00 K

R HR WK NR ..238 K

R R HR WK NR ..03 EEE R R HR WK NR .03 K

R SK

R SK

R 7G NR 044/CCK CK 19 03 0112 1605 RMKS 7546 TO 8349 K

R GA K

R 7G GA = 6N5D 3TA7 .4N6 5T3D A7U4 (Cont'd) AR K

R RPT 09W K

R RPT 09W = 4TN7 AR K

R QSL 1...K

R HR WK NR 1238 K

R HR WK NR 06.. K

R SK

R OK SK

6N5D 3TA7 U4N. 5T3D A7U4 6NNN TT53 (Cont'd)

777 777 EI 77 7777 7M77

= 6N5D 3TA7 U4N6 5T3D A7U4 6NT5 3D7A 4U5.

= = 6N5D 3435A7 U4N6 5T3D A7U4 6NT5 (Cont'd)

4243 kHz, 21-01, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB

4243 kHz, 21-01, 1153 switch to M95

VV HR 7G TO YR PSE CY

NR 028 CK 21 35 0121 1530 =

5AA UTT TUA 4U6 3A4 TTU TT3 773 35U 4A4

446 467 3DU 4D6 TT4 773 35U 4A3 446 3DU 4D6 AR

7G AGN

NR 028 CK 21 35 0121 1530 = (Repeats message) AR

A HR 7G GA

NR 42 CK 155 35 0121 1534 =

UTU TUA 3U6 3A4 TTU 773 35A U4T 353 (Cont'd) AR

7G AGN

NR 42 CK 155 35 0121 1534 = (Repeats message) AR

A HR 7G GA

NR 030 CK 18 35 0121 1626 =

UT5 TUA 3U6 3A4 TTA TTU TT3 773 35U U4T

353 4AN 446 33U N3U 467 4D6 3DU AR

7G AGN

NR 030 CK 18 35 0121 1626 = (Repeats message)

AR

A HR UP SB WK

4243 kHz, 21-01, 1213 UTC: switched to V26 (USB), messages in Chinese. Female operator

4364 kHz, 21-01, 1142 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0078 CK 44 35 0121 1713 =
TTA N5U TUA N53 TAD (Cont'd)

4243 kHz, 22-01, 1141 UTC, Q26: 4+4 QPSK 75/3000 LSB

4243 kHz, 22-01, 1143 UTC, M95

VV HR 7G TO YR PSE CY
NR 030 CK 44 35 0122 1537 =
5AA UTT TU5 3U6 3A4 TTU 773 35A U4T 353
4AN 446 346 N3D 4TA 445 3DU N3D 3DA 4D3
TT3 773 35A U4T 353 4AN 346 N3D 4TA 446
3DU 4D3 TT4 773 35A U4T 353 4AN 346 N3D
4TA 445 3DA 4D3 AR
7G AGN
NR 030 CK 44 35 0122 1537 = (Repeats message) AR
A HR 7G GA
NR 44 CK 139 35 0122 1600 =
UTU TUU 3U6 3A4 TTU 773 35A U4T 353 4A5 (Cont'd)

4243 kHz, 23-01, 2338 UTC, V26 (voice), Callup in Chinese, female operator

4243 kHz, 23-01, 2341 UTC, Q26: 4+4 QPSK 75/3000 LSB

4243 kHz, 23-10, 2343 UTC, M95

V HR MSG TO YR PSE CY
NR 037 CK .8 35 0124 0552 =
UT5 TU4 3U4 3A4 TTA TTU TT3 773 35U U4T
353 4A7 336 N3D 4UT 445 345 DND N34 447
TTA 773 46D 4D6 3DA 345 N3D 3D3 AR
7G AGN
NR 037 CK 28 35 0124 0552 = (Repeats message)
AR
A HR MSG GA
NR 033 CK 42 35 0124 0648 =
5AA UTT TU4 3U4 3A4 TTU 773 35A N3D 354
37U 4T7 445 3DA N3D 4TA 446 3DU 4D6 TT3
773 35A N3D 354 37U 4T3 N3D 4T7 445 3DA
4D6 TT4 773 35A N3D 354 4T7 N3D 4TA 445
3DA 4D6 AR
MSG AGN
NR 033 CK 42 35 0124 0648 = (Repeats message) AR
NR 47 CK 141 35 0124 0718 =
UTU TU4 3U4 3A4 7TU 7TA NU6 7T5 777 (Cont'd)

8073 kHz, 23-01, 1133 UTC, Q26: 4+4 QPSK 75/3000 LSB

8073 kHz, 23-01, 1142 UTC, M95

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0086 CK 360 35 0AU 16.. =
TU3 4U6 3AN 3U7 TAU 773 356 4T3 (Cont'd)

4243 kHz, 31-01, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB

4243 kHz, 31-01, 1148 UTC, M95

V NR 048 CK 35 35 0131 1533 =
5AA UTT T3A 3U6 3A4 TTU TT3 773 35A U4T
353 4A5 33N N3D 4AA 447 346 N3U 446 3D4
N3D 3DU 4D6 TT4 773 35A U4T 353 4A5 33N
N3D 4AA 446 3DU 4D6 AR
MSG AGN
NR 048 CK 35 35 0131 1533 = (Repeats message) AR
A HR MSG GA
NR 62 CK 180 35 0131 1543 =
UTU T3A 3U6 3A4 TTU 773 353 N3D 35U (Cont'd)

4364 kHz, 31-10, 1138 UTC, Qs26: 4+4 QPSK 75/3000 LSB

4364 kHz, 31-10, 1139 UTC, M95

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0113 CK 35 35 0131 15.. =

TTA N5U T3A N53 TAD N54 7TT TTU 746

7T5 7TA 7T. 4TA N7D N35 7T5 4TN NAN

74D 344 N3U 7A. 777 57. 46 7. ..75 7AD 3.73 AN 7.5 AR

HR MSG GA

NR 0114 CK 257 35 0131 1543 =

T3. .U63AN 3U7 TAU 773 (Cont'd)

MC03 - Chinese Air Defense

5139 kHz, 11-01, 1511 UTC

4D4 UT7DDT DT6T5DU T4N TN

4DD UAA645 TN

4D4 4TA635 DU54443 TN4 U3TN

4D4 UAT5TN 763N6UU AT6 AT

4D4 UT7DDT DT6T474 T44 AT

4D4 4TA635 NU544U5 TN4 AT

NDD UAT5TN 763N637 AT6 AT

4D4 UA53NU ATT AT

4DD UA53NU ATT AT

4D4 UA54T4 74667D3 AT3 AA

4D4 UT7DDT DT6T4U7 T3D AA

4D4 4TA ...

UM03 – Chinese X2M net

7920//8250//8410//8958 kHz, 08-01, 0231 UTC, i.p.

73NT6 AR

ZOM 15

CQ (x3) DE X2M (x2) VVV (x3)

MSG (x2) ENG (x2)

CQ (x3) DE X2M (x2) VVV (x3)

MSG (x2) ENG (x2)

MSG ENG

01 01 CK 100 CK 100 TIME 0935 TIME 0935 DATE 0801 DATE 0801 =

546UN 6UNT7 4TA75 6573A T4A6D 3N475 D4NT6 4TU6N A73N5 TUD53 N4T3A (Cont'd)

D4TA5 N53UA 3NT5D 6UA3N 4T5A6 5A74D AD5N6 4NT67 T653A D465U

5UD7N DN56U 56UNT 4TA7D U7D3N T6NU4 74D5T 3T6A7 5AED46 AUN53 6A4UD NT73U AR

03 03 CK 100 CK 100 TIME 0942 TIME 0942 DATE 0801 DATE 0801 =

D45A6 T6A7U 6U73N (Cont'd)

7920 kHz, 10-01, 1126 UTC, ,i.p.

CQ DE X2M VVV

MSG MSG ENG ENG

MSG ENG

NR 01 01 CK 100 CK 100 TIME 1826 TIME 1826 DATE 1001 DATE 1001 =

TVKNC LNCFU PRGJY JYNQF CRTIL (Cont'd)

4108 kHz, 23-01, 1824 UTC, i.p.

QFUWL ODFXP JYSBQ SKEWO ... AR
03 03 CK 100 CK 100 TIME 0127 TIME 0127 DATE 2401 DATE 2401 =
BQSKZ KZCFU DFUXM VXMPQ (Cont'd)

The net was very busy on 24 January.

7920//8250//8410 kHz, 24-01, 0014 UTC, i.p.

AR
05 05 CK 100 CK 100 TIME 0715 TIME 0715 DATE 2401 DATE 2401 =
PHJYB ZBQTI WLODF (Cont'd)

6672//7920//8250//8410 kHz, 24-01, 0825 UTC, i.p.

CQ (x3) X2M (x2) VVV
MSG ENG (x3)
01 01 CK 100 CK 100 TIME 1526 TIME 1526 DATE 2401 DATE 2401 =
TVKNC LNCFU PRGJY JYNQF CRTIL JLADS (Cont'd)

6296 kHz, 24-01, 0851 UTC, i.p.

XZACR UJLDS MBVKN LNTNF (Cont'd) AR
ZNN QRX VA
OK VA

5730 kHz, 24-01, 0855 UTC, i.p.

CK 80 = =
BTHRI MIYZG TTQLJ MXRUM PKHUJ (Cont'd) AR

5742 kHz, 24-01, 0903 UTC, i.p.

MENHR ABDSV TVTNC LNOQF (Cont'd) AR
15 15 CK 100 CK 100 TIME 1605 TIME 1605 DATE 2401 DATE 2401 =
RGICA JYAPH TVKMB KNCET (Cont'd)

5672 kHz, 24-01, 0907 UTC, i.p.

XZJRU .LAPS YBQHK NCFWD (Cont'd) AR

DIGITAL MODES**HM01 - Dirección General de Inteligencia****Oddities**

| | |
|-----------------------------------|---|
| 11435 kHz, 18-01, 1600 UTC | Carrier, nothing else |
| 11635 kHz, 18-01, 2100 UTC | Carrier, nothing else. Also at 2130z |
| 11435 kHz, 19-01, 1600 UTC | Carrier and repeated UNO. Nothing else. Also at 163z |
| 11530 kHz, 19-01, 1700 UTC | Carrier and repeated UNO. Nothing else. Also at 1730z |
| 11635 kHz, 19-01, 1800 UTC | Carrier and repeated UNO. Nothing else. Also at 1830z |
| 16180 kHz, 19-01, 2100 UTC | Carrier and repeated UNO. Nothing else. Also at 2130z |
| 17480 kHz, 19-01, 2200 UTC | Carrier and repeated UNO. Nothing else |
| 11435 kHz, 20-01, 1600 UTC | Carrier, nothing else. Also at 1630z |
| 11530 kHz, 20-01, 1700 UTC | Carrier, nothing else. Also at 1730z |
| 11635 kHz, 20-01, 1800 UTC | Carrier, nothing else. Also at 1830z |
| 11635 kHz, 20-01, 2100 UTC | Carrier, nothing else. Also at 2130z |
| 10715 kHz, 20-01, 2200 UTC | Carrier, nothing else |
| 11530 kHz, 23-01, 1659 UTC | Radio Habana Cuba before start up. |
| 11435 kHz, 27-01, 1600 & 1630 UTC | No transmission |

HM01 RDFT file log by MDK2

Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):

| | | | |
|------------|-------|----------------|----------------------|
| 01/01/2019 | 86423 | 26288642.txt * | 9330 0700 (02 NOV) * |
| | 20048 | 50432004.f1c * | |
| | 70305 | 55787030.txt * | |
| | 81001 | 50838100.txt * | |
| | 03627 | 30210362.txt * | |
| | 64881 | 20216488.txt * | |

* These files were first sent in November. HM01 has been repeating number sets and files every day since 03 November. They continued to be repeated every day through 13 January. This was observed at the following times and frequencies for those dates:

Date Freq. and time

| | |
|------------|------------|
| 04/01/2019 | 11435 1600 |
| 05/01/2019 | 11635 1800 |
| 06/01/2019 | 11435 1600 |
| 07/01/2019 | 11530 1700 |
| 08/01/2019 | 11435 1600 |
| 09/01/2019 | 11435 1600 |
| 10/01/2019 | 11435 1600 |
| 11/01/2019 | 11435 1600 |
| 12/01/2019 | 17480 2200 |
| 13/01/2019 | 11435 1600 |

Then, on 14 January, HM01 sent new number sets and files.

Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):

| | | | |
|------------|-------|--------------|------------|
| 14/01/2019 | 58233 | 36815823.fig | 11435 1600 |
| | 88133 | 21328813.txt | |
| | 85374 | 78618537.txt | |
| | 86847 | 38178684.txt | |
| | 62615 | 07226261.txt | |
| | 47728 | 17224772.txt | |

There were issues during the first half hour, with mostly unmodulated carrier interrupted by occasional snippets of RHC and false starts of the numbers in which both old sets and new were heard, but by 1629 (when the second half usually gets underway) it was operating normally.

RHC went back into repeat mode for a few days, transmitting the same number sets and files as those first sent on the 14th. These were observed at the following frequencies and times:

| | |
|------------|------------|
| 15/01/2019 | 11435 1600 |
| 16/01/2019 | 11435 1600 |
| 17/01/2019 | 11435 1600 |
| 18/01/2019 | 11435 1600 |

On the 19th and 20th, RHC's was seen to have carriers at their usual times and frequencies but had either unmodulated carrier with no signal, or else periods of the HM01 voice saying "uno uno uno uno uno" repeatedly and rapidly.

On the 21st, new numbers and file sets were transmitted:

Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):

| | | | |
|------------|-------|--------------|------------|
| 21/01/2019 | 66012 | 50416601.f1c | 11435 1600 |
| | 17241 | 20511724.txt | |
| | 10803 | 46251080.txt | |
| | 16171 | 01041617.txt | |
| | 10125 | 74061012.txt | |
| | 67090 | 57856709.txt | |

These would be repeated for the rest of January. The observed frequencies and times:

| | | |
|------------|-------|------|
| 23/01/2019 | 11435 | 1600 |
| 24/01/2019 | 11435 | 1600 |
| 25/01/2019 | 11435 | 1600 |
| 26/01/2019 | 16180 | 2100 |
| 27/01/2019 | 11530 | 1700 |
| 28/01/2019 | 11435 | 1600 |
| 29/01/2019 | 11435 | 1600 |
| 30/01/2019 | 11435 | 1600 |
| 31/01/2019 | 11435 | 1600 |

All copies of received files are online and may be viewed or downloaded here:

https://www.dropbox.com/sh/ezad7yc0uf3bz1s/AAB_2OtRUna3CvDQoN3Y5sk9a?dl=0

HM01 RDFT file reference

This includes only files sent on M08a frequencies, as HM01 was repeating November files and number sets throughout December.

Sort by file name

| File Name: | Number group: | Date first logged (DDMMYYYY): |
|--------------|---------------|-------------------------------|
| 01041617.txt | 1617# | 21/01/2019 |
| 07226261.txt | 6261# | 14/01/2019 |
| 17224772.txt | 4772# | 14/01/2019 |
| 20511724.txt | 1724# | 21/01/2019 |
| 21328813.txt | 8813# | 14/01/2019 |
| 36815823.fig | 5823# | 14/01/2019 |
| 38178684.txt | 8684# | 14/01/2019 |
| 46251080.txt | 1080# | 21/01/2019 |
| 50416601.f1c | 6601# | 21/01/2019 |
| 57856709.txt | 6709# | 21/01/2019 |
| 74061012.txt | 1012# | 21/01/2019 |
| 78618537.txt | 8537# | 14/01/2019 |

Sort by Date

| Date (DDMMYYYY): | File name or repeat: | Numbers: |
|------------------|----------------------|----------|
| 14/01/2019 | 36815823.fig | 5823# |
| 14/01/2019 | 21328813.txt | 8813# |
| 14/01/2019 | 78618537.txt | 8537# |
| 14/01/2019 | 38178684.txt | 8684# |
| 14/01/2019 | 07226261.txt | 6261# |
| 14/01/2019 | 17224772.txt | 4772# |
| 21/01/2019 | 50416601.f1c | 6601# |
| 21/01/2019 | 20511724.txt | 1724# |
| 21/01/2019 | 46251080.txt | 1080# |
| 21/01/2019 | 01041617.txt | 1617# |
| 21/01/2019 | 74061012.txt | 1012# |
| 21/01/2019 | 57856709.txt | 6709# |

Sort by number group

| Number group: | file name: | Date: |
|---------------|--------------|------------|
| 1012# | 74061012.txt | 21/01/2019 |
| 1080# | 46251080.txt | 21/01/2019 |
| 1617# | 01041617.txt | 21/01/2019 |
| 1724# | 20511724.txt | 21/01/2019 |
| 4772# | 17224772.txt | 14/01/2019 |
| 5823# | 36815823.fig | 14/01/2019 |
| 6261# | 07226261.txt | 14/01/2019 |
| 6601# | 50416601.f1c | 21/01/2019 |
| 6709# | 57856709.txt | 21/01/2019 |
| 8537# | 78618537.txt | 14/01/2019 |
| 8684# | 38178684.txt | 14/01/2019 |
| 8813# | 21328813.txt | 14/01/2019 |

F01, F06, F06a, M42, M42a, M42b, X06 - Russian Government & Intelligence

M42b – FSK 50/500

8181 kHz, 23-01, 0722 UTC, CW

J9UZ wkg E6T6: QSY 48193 QSW 48592

8143 kHz, 23-01, 0820 UTC, CW

E6T6 wkg J9UZ: QSY 48193

5761 kHz, 23-01, 0805 UTC, CW. NCS wkg 1 outstation

QTC 6 ZZC K

XXX FM 85193 FOR 85370 = =

52113 41899 63042 77756 29602 91961 69386 05230 13733 82467 = =

XXX FM 85193 FOR 85370 = =

52113 41899 63042 77756 39602 91961 69386 05230 13733 82467 K

3872 kHz, 23-01, 0940 UTC, CW. 9SPU wkg F4PG on 4058 kHz

XXX FM 29646 FOR 29483 = =

25759 36924 92497 77097 63864 91511 22622 75511 K

4058 kHz, 23-01, 0940 UTC, CW. F4PG replies to 9SPU on 3872 kHz

QTR 53501 53501 WRK QSO QSU K

F01 – FSK 200/500

7629/6783/4034 kHz, 02-01, 1940/1950/2000 UTC

Null message:)576 100000+++++++162

Link 00116 via Cuba

17411/15956 kHz, 04-01, 2230/2240 UTC

11177 00116 79562 04001 01639

87920 23759 22897 36129 31947 84503 61063 20615 54765 69374

52547 44307 86884 31492 06892 66495 04871 72722 61061 59490

91771 15977 67365 63948 12939 08850 96385 61159 84810 30444

47631 75962 17857 41859 75388 31896 43338 60488 89776 43030

92540 59469 22477 54812 89368 02105 11085 06462 58628 47240

62990 81311 03403 91969 33805 66400 46267 56987 28299 60276

13215 99149 10758 70480 42961 04222 05529 02838 04091 96254

49936 05029 43517 43146 94226 41288 92888 68383 33804 76890

68790 33373 26526 58796 04104 87086 24793 92830 17891 54925

74994 59357 08199 78253 49020 19621 20731 19056 77406 47485

82606 64628 96070 10137 72645 20290 99451 03788 60467 60975

97853 38379 37874 19098 85843 71380 97993 24371 22021 75174

17111 70408 51662 19648 08102 29756 46379 74917 06085 39415

41554 98385 22270 34636 33443 97258 90247 65713 33851 08763

50804 11359 34150 83565 99076 37615 06508 12269 10427 40328

03700 34927 42524 43860 89223 18342 24517 57169 81333 79867

04848 01161 00000

Link 00117 via Cuba

13452/11106 kHz, 07-01, 0025/0035 UTC

13452/11106 kHz, 07-01, 0125/0135 UTC

11177 00117 79518 04001 01769

16852 19960 64990 89314 89677 37122 15090 40137 41130 32175
65422 17241 65785 92736 47972 21630 21565 00346 60258 95060
83782 10585 50738 23077 76911 90898 80370 69217 79762 71588
45656 84883 87524 50573 27213 49419 57412 21620 22974 35614
03127 79810 76010 25197 13120 68749 24459 12896 06409 45466
39952 13099 13458 57338 95538 60336 18705 11030 04542 49994
98163 93346 15617 22928 12478 63772 37253 76813 64035 85099
80249 01200 63908 38731 00503 18017 91035 94846 92903 03379
49919 42065 95611 43727 33924 44993 83295 43949 55739 07272
90504 17936 21253 91887 05279 19636 84667 27410 06443 73472
17956 89552 15991 62105 32197 68206 43369 04851 29738 09231
87416 38550 12648 56252 69133 15269 44607 43790 02269 03558
71706 04130 29609 35436 43191 09456 25917 74119 13874 93138
79388 40086 82385 05926 85283 67872 66297 03723 51789 41643
54873 35014 57078 99394 64555 60626 99296 55386 73602 69308
76524 00685 49468 32362 24704 96546 42516 13771 21089 01348
58220 63610 57420 03390 43342 45381 13158 13397 54496 72101
37763 91041 18643 47707 01174 00000

F06 – FSK 200/1000

Link 00052

19667/17546/15604 kHz, 10-01, 0900/0910/0920 UTC

11166 00052 45896 09036 02669

13239 57119 42877 34313 24956 15804 66415 52761 46338 07286
01303 09691 63214 37965 26242 65355 32847 81625 03082 65513
48011 21538 71326 73115 91661 37652 78209 31038 73970 21739
01320 03841 64505 54951 37085 47687 23657 94243 76643 76380
06948 72231 40239 65447 61938 81663 54049 33325 30941 01894
30764 30905 70005 14054 24084 04300 06629 78099 05037 45317
61798 96906 01229 68200 30876 84195 44990 30845 50221 61101
97206 73635 62102 69712 89684 61391 06679 50942 81879 78460
56357 99127 26429 59055 68463 38268 44812 74352 61274 68059
94705 59855 23926 01049 58231 56280 43159 01743 76800 84567
74666 24642 59087 44620 67265 91418 82283 74976 69208 67886
66798 39442 16071 17858 18245 96079 86841 91826 59717 77621
98395 49929 75348 67334 80221 53745 96964 65814 47460 57478
83343 68045 30324 33728 41873 18361 93494 07087 92091 31848
62903 56394 79314 67635 34303 01106 02389 80295 16638 73967
81137 60926 80628 59062 44251 02124 92751 00594 20741 64000
20487 11019 80482 33218 33650 23513 04976 61091 30112 79142
30164 98582 48152 29906 05556 56851 85347 90521 59543 01180
66391 18697 73002 62104 91911 52566 17945 65948 18210 83750
06590 62290 45224 22262 07724 58013 28591 16214 68522 74314
16949 51718 65555 77524 84664 31656 55408 26845 34841 23554
46046 87861 70303 82455 88625 22943 59010 09132 82803 06958
99627 85987 50238 33226 79067 12945 23358 04015 32647 43245
05223 87181 71609 69676 16141 14137 27100 31699 66906 03546
13631 61193 83863 79918 61174 46166 66624 97303 29306 65541
74377 01316 78897 03521 54540 78596 29378 24479 69860 62080
61975 33329 44614 38438 36264 00000

19667/17546/15604 kHz, 23-01/24-01, 0900/0910/0920 UTC

11166 00052 45896 09036 02669
13239 57119 42877 34313 24956 15804 66415 52761 46338 07286
01303 09691 63214 37965 26242 65355 32847 81625 03082 65513
48011 21538 71326 73115 91661 37652 78209 31038 73970 21739
01320 03841 64505 54951 37085 47687 23657 94243 76643 76380
06948 72231 40239 65447 61938 81663 54049 33325 30941 01894
30764 30905 70005 14054 24084 04300 06629 78099 05037 45317
61798 96906 01229 68736 35621 02697 12896 84613 91066 79509
42818 73635 62102 69712 89684 61391 06679 50942 81879 78460
56357 99127 26429 59055 68463 38268 44812 74352 61274 68059
94705 59855 23926 01049 58231 56280 43159 01743 76800 84567
74666 24642 59087 44620 67265 91418 82283 74976 69208 67886
66798 39442 16071 17858 18245 96079 86841 91826 59717 77621
98395 49929 75348 67334 80221 53745 96964 65814 47460 57478
83343 68045 30324 33728 41873 18361 93494 07087 92091 31848
62903 56394 79314 67635 34303 01106 02389 80295 16638 73967
81137 60926 80628 59062 44251 02124 92751 00594 20741 64000
20487 11019 80482 33218 33650 23513 04976 61091 30112 79142
30164 98582 48152 29906 05556 56851 85347 90521 59543 01180
66391 18697 73002 62104 91911 52566 17945 65948 18210 83750
06590 62290 45224 22262 07724 58013 28591 16214 68522 74314
16949 51718 65555 77524 84664 31656 55408 26845 34841 23554
46046 87861 70303 82455 88625 22943 59010 09132 82803 06958
99627 85987 50238 33226 79067 12945 23358 04015 32647 43245
05223 87181 71609 69676 16141 14137 27100 31699 66906 03546
13631 61193 83863 79918 61174 46166 66624 97303 29306 65541
74377 01316 78897 03521 54540 78596 29378 24479 69860 62080
61975 33329 44614 38438 36264 00000

Link 10031

19433/16048/14976 kHz, 09-01, 1015/1025/1035 UTC

11166 10031 78963 09001 00049 00000 00000 00000 00000

19433/16048/14976 kHz, 23-01, 1015/1025/1035 UTC

11166 10031 75310 23026 00049 00000 00000 00000 00000

Link 10053

10383/9046/7313 kHz, 01-01, 1650/1700/1710 UTC

11166 10053 78963 01001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 06-01, 1530/1540/1550 UTC

11166 10053 98214 06065 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 08-01, 1650/1700/1710 UTC

11166 10053 17935 08001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 13-01, 1530/1540/1550 UTC

11166 10053 79513 13012 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 15-01, 1650/1700/1710 UTC

11166 10053 35790 15069 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 20-01, 1530/1540/1550 UTC

10053 17935 20001 00049 00000 00000 00000 00000 00000

10383/9046/7313 kHz, 22-01, 1650/1700/1710 UTC
11166 10053 13579 22001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 27-01, 1530/1540/1550 UTC
11166 10053 17935 20001 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 29-01, 1650/1700/1710 UTC
11166 10053 78963 29001 00049 00000 00000 00000 00000

| |
|------------|
| Link 40122 |
|------------|

18304/16156 kHz, 16-01, 0610/0620 UTC
40122 62341 16007 00049 00000 00000 00000 00000

20154/18304/16156 kHz, 23-01/24-01, 0600/0610/0620 UTC. Two messages

11166 40122 84351 19013 02909
86354 76247 16791 66732 36652 32864 99640 50419 55314 92439
54517 38227 03559 90134 77616 88054 30523 44860 04575 58537
06611 69742 81562 58238 38182 89326 70063 63289 24529 68215
08775 20684 43074 80805 81093 79399 73733 76840 61583 16535
98367 22439 39901 50662 36278 21309 45594 59568 01669 45818
22214 44582 94024 32618 24186 08664 57330 22506 34869 40462
69078 49214 29247 21509 45002 06810 29680 98741 70461 50397
28170 89561 94437 09808 73555 11578 47049 20966 47096 54263
66552 04618 74864 34683 46744 47115 50402 04497 40720 62926
66055 00414 81908 43587 76447 55298 08335 22755 42519 12102
01044 12069 29565 07819 72614 87492 57714 19645 66719 30840
28299 90534 54651 56160 74525 76339 39755 75671 09907 81710
05721 84939 72885 76966 69646 71975 91088 13104 25835 79946
13642 77131 91247 78199 84992 54935 88548 21252 58674 93844
27699 00481 74446 82091 72008 18156 47258 87359 99609 38540
41456 21591 96266 95712 28689 24261 40484 62833 52943 81292
66827 12504 51141 21799 18405 22946 02744 59855 24455 09658
06793 73471 63958 87247 09842 37955 01231 91131 33188 55867
04419 13784 72870 50739 82852 35224 70854 16748 04175 52428
80846 41539 77195 37357 77173 44381 11410 78280 80167 96833
89110 84095 96493 18133 11034 56315 97851 62458 01484 58423
86500 40298 83859 37279 21032 41065 62537 76262 00835 49188
72034 84839 32696 70835 79390 54249 27955 13471 50720 33984
03678 85438 17855 08761 86258 07748 06022 80668 40906 55247
08498 86181 75447 69397 19169 02715 91885 09794 58942 24431
84146 36660 56941 11960 05452 41482 72422 45739 53768 67971
68353 37653 48752 90550 72589 80663 98634 42548 87582 41107
80495 11281 34566 23369 82338 42227 43146 61593 80439 19462
22248 18147 50365 14551 73335 93493 35138 21095 13288 00000

11166 40122 98642 19014 02989
18957 17099 47892 94694 79927 22362 41779 29624 20232 43078
95937 26241 97174 20830 68542 01760 03550 28160 40156 23228
70762 77917 29202 28637 93132 38560 37222 96957 96839 72600
09855 96792 01926 40382 24479 68329 50806 36377 40450 18279
01720 50195 72871 32493 10560 69477 75845 35942 49518 66879
46123 54745 35987 38323 83112 59942 70150 84702 66165 97681
04704 54239 35091 35532 95142 87662 84822 79589 04051 33416
10192 42073 57834 25069 61732 64099 79331 38120 98454 23315
44742 68384 48534 81084 38308 99152 13849 48916 03184 49303
79295 78808 11943 19563 12834 07217 05140 79093 67189 07320
71387 59608 19157 29267 67369 49181 07429 33109 01230 02966
54912 44092 27785 12984 86440 84996 28983 04193 77845 65222
78061 49000 97301 31291 10828 17436 24908 08467 52509 05143
61413 88179 73605 06396 62058 40931 73186 24326 56433 59382
13061 35536 40323 61296 51270 51302 50455 07046 48331 42542
58097 11341 44672 20744 42439 53897 32695 92036 29698 18712
71906 26588 08888 16638 20555 10536 60174 70951 82204 72610
56781 70592 90688 02664 26356 20768 81885 04272 82753 45609
25736 48613 64162 22562 16970 21799 38521 53207 47942 82853
62155 00196 12051 74520 02569 44977 11151 54094 61343 46023
65409 36454 58068 02225 49045 66495 61239 51154 00380 63142
77071 56874 79641 02130 32161 66987 72968 29739 10929 43613
66030 24689 33789 97975 35723 50344 86974 83293 33368 64452
39968 25656 57846 78588 11456 97578 42120 84489 69766 63919
01565 89473 78711 54843 17555 28128 24777 45533 54746 42454
86601 47318 35481 47659 32673 39919 19766 25775 58188 99493
64245 14303 97012 02173 58624 82058 69665 07765 62969 09417
53292 53337 94315 15138 84535 11330 36046 96957 31256 91928
68443 78143 94043 94340 43881 77189 23445 36708 55085 42843
63854 19299 69883 21652 60003 00706 14296 00000

20154/18304/16156 kHz, 30-01/31-01, 0600/0610/0620 UTC

11166 40122 25671 26015 03279
77146 79532 46412 63562 28258 97256 48876 60263 09342 68978
31097 49865 52077 67528 04359 99506 20753 32291 30313 16052
17728 90273 95042 60167 72586 95623 75415 21834 38422 04797
83657 86960 43683 29547 01088 49808 73032 34953 36947 50898
75634 74631 73269 45099 24335 80362 81717 29569 74148 48285
23335 86260 93499 88867 67143 18655 66666 32837 88523 87424
90833 10247 33325 74711 16234 44880 58623 31699 02774 31173
86091 89185 91614 85846 28893 35816 15126 91426 78055 93693
93657 73853 59248 46030 92562 81355 95915 96540 37917 56783
39688 65265 14361 20586 54017 50497 93515 06622 61975 11519
66394 17984 94148 51821 78264 95041 97566 07504 89378 12866
91604 70531 10031 50244 81792 01549 83360 97460 67482 11929
14353 95036 04286 19749 68462 20616 07246 09377 88308 66176
05663 49362 01872 72766 85520 48316 20632 14951 80449 53459
51085 52140 97155 21543 68080 89016 86267 16818 23402 12219
94525 15735 88052 95486 59259 23079 51662 90451 31084 29216
27457 45260 35766 63136 36243 18214 11171 20990 67824 78616
80263 74793 43299 12020 46065 91005 26679 72044 19536 13653
59254 45981 16291 91685 15156 26333 83109 55273 01545 05520
40169 70698 51866 35903 49930 28563 85610 22331 48628 44978
33014 39397 01293 80429 48137 90587 66250 06005 58765 51512
80023 71678 26552 64407 98585 56323 15866 76089 55905 04161
94758 36561 25700 77315 16504 00445 97361 79172 55136 98434
01980 28228 93434 70960 49386 87103 86779 81239 62191 76442
51338 49917 17717 28334 49989 78472 33782 58999 74446 53581
59273 65384 47014 49627 55436 75374 90402 71540 78830 06313
39048 05158 01878 11498 90382 67290 31952 19365 19467 72685
14930 95028 05460 60069 34167 78871 43322 44463 40812 81880
39226 87946 76404 42398 13085 06083 73702 73994 56653 52155
46666 59139 20634 46441 05539 68359 29216 42680 57962 09573
45504 48945 82070 37289 36255 45092 82487 76355 09373 63977
65171 39944 22595 28637 92052 46469 86804 62605 01386 65105
12414 15569 04764 44623 72244 15325 00000

Link 40133

20564/18471/16308 kHz, 05-01, 1500/1510/1520 UTC

11166 40133 78963 05001 00049 00000 00000 00000 00000

20564/18471/16308 kHz, 12-01, 1500/1510/1520 UTC

11166 40133 17935 12001 00049 00000 00000 00000 00000

20564/18471/16308 kHz, 19-01, 1500/1510/1520 UTC

11166 40133 97531 19038 00049 00000 00000 00000 00000

20564/18471/16308 kHz, 26-01, 1500/1510/1520 UTC

11166 40133 13579 26001 00049 00000 00000 00000 00000

Link 50046

16356/14359/12079 kHz, 05-01, 1100/1110/1120 UTC

1166 50046 78963 05001 00049 00000 00000 00000 00000

16356/14359/12079 kHz, 19-01/20-01, 1100/1110/1120 UTC

11166 50046 71843 18069 01969

30749 65209 11773 10366 22784 00804 64049 89267 70370 62778

27693 09639 06338 93095 04091 99388 24548 54075 97766 54357

94988 60739 88840 58058 09085 13401 50968 91786 02808 17971

85798 10646 46393 90551 19978 73337 39777 96574 51689 85776

47690 66783 82381 03377 75570 06903 55640 01399 13933 87183

12031 05179 58520 52974 05189 38569 20972 77549 89113 10443

01176 39057 91174 91483 77864 94383 92756 70564 20502 09332

01252 08031 34230 01154 80945 12032 68526 20296 99595 91790

68747 90403 46472 85890 58415 36053 59021 67554 32033 50840

81919 38937 94060 07606 88907 93685 76013 19683 77851 31067

09081 61056 94357 33828 12278 68399 87099 83694 09104 27826

96327 56977 43896 24524 38304 16700 71669 41363 67406 37175

88583 74881 52798 70411 04528 15451 10854 84934 10581 75257

52260 45134 13820 23067 05424 18678 08147 40931 28810 70102

13206 76988 61066 53522 97236 81360 50698 94773 07928 86292

08087 84427 60594 93479 87249 03095 15044 59457 40073 98330

89961 18094 83604 37512 21163 04237 15241 03868 44168 37807

64562 94135 97429 36779 28566 83138 34796 76938 64900 04418

05926 57084 14706 52779 55764 83026 82869 88947 42414 47744

59090 19912 86540 80585 69194 00000

Link 60070

7821/6784/5749 kHz, 01-01, 0030/0040/0050 UTC

11166 60070 17935 01001 00049 00000 00000 00000 00000

7821/6784/5749 kHz, 08-01, 0030/0040/0050 UTC

11166 60070 35741 08075 00049 00000 00000 00000 00000

7821/6784/5749 kHz, 15-01, 0030/0040/0050 UTC

11166 60070 13579 15001 00049 00000 00000 00000 00000

7821/6784/5749 kHz, 29-01, 0030/0040/0050 UTC

11166 60070 17935 29001 00049 00000 00000 00000 00000

Link 70048

18334/16346/14418 kHz, 02-01, 0800/0810/0820 UTC

11166 70048 51496 02054 00049 00000 00000 00000 00000

18334/16346/14418 kHz, 09-01, 0800/0810/0820 UTC

11166 70048 29548 09059 00049 00000 00000 00000 00000

18334/16346/14418 kHz, 16-01, 0800/0810/0820 UTC

11166 70048 59314 16041 00049 00000 00000 00000 00000

18334/16346/14418 kHz, 23-01, 0800/0810/0820 UTC. Groups 2 and 3 are reversed

11166 09103 70048 23001 00049 00000 00000 00000 00000

18334/16346/14418 kHz, 30-01, 0800/0810/0820 UTC

11166 70048 15386 30053 00049 00000 00000 00000 00000

Link 70059

6926/5945/4816 kHz, 07-01, 0500/0510/0520 UTC

11166 70059 36874 07021 00049 00000 00000 00000 00000

6926/5945/4816 kHz, 21-01, 0500/0510/0520 UTC

11166 70059 17935 21001 00049 00000 00000 00000 00000

Link 80214

12186/10243/8175 kHz, 03-01, 1330/1340/1350 UTC

11166 80214 82465 03056 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 10-01, 1330/1340/1350 UTC

11166 80214 75621 10087 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 17-01, 1330/1340/1350 UTC

11166 80214 76054 17066 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 24-01, 1330/1340/1350 UTC

80214 19453 24023 00049 00000 00000 00000 00000 00000

12186/10243/8175 kHz, 31-01, 1330/1340/1350 UTC

11166 80214 12357 31001 00049 00000 00000 00000 00000

X06 - Mazielka

| Code | Freq | Date | UTC | Sequence |
|------|-------|------|------|--|
| X06 | 12133 | 10-1 | 0806 | MFA Moscow clg 153624: Russian embassy, Damascus |
| X06b | 16138 | 6-1 | 1158 | Sequence: 111666 before XPA2 |
| X06b | 16138 | 6-1 | 1203 | Sequence: 111666 before XPA2 |
| X06b | 16138 | 6-1 | 1208 | Sequence: 111666 before XPA2 |
| X06b | 16167 | 18-1 | 1256 | Sequence: 111666 before XPA2 |
| X06b | 6963 | 23-1 | 1741 | Sequence: 111666 before E07 |
| X06b | 16138 | 27-1 | 1206 | Sequence: 161161 before XPA2 |
| X06b | 14438 | 27-1 | 1207 | Sequence: 161161 before XPA2 |
| X06b | 14438 | 27-1 | 1207 | Sequence: 161161 before XPA2 |
| X06b | 13438 | 27-1 | 1208 | Sequence: 161161 before XPA2 |
| X06b | 16138 | 27-1 | 1210 | Sequence: 161161 before XPA2 |
| X06b | 14438 | 27-1 | 1211 | Sequence: 666111 before XPA2 |
| X06b | 13438 | 27-1 | 1212 | Sequence: 161161 before XPA2 |
| X06b | 13438 | 27-1 | 1216 | Sequence: 666111 before XPA2 |
| X06b | 13438 | 27-1 | 1220 | Sequence: 161161 before XPA2 |

XPA

12157/13462/14374 kHz, 01-01/03-01, 0810/0830/0850 UTC

265 265 265 000

04339 00001 00000 37257

12157/13462/14374 kHz, 08-01, 0810/0830/0850 UTC

265 265 265 000

01897 00001 00000 40662

12157/13462/14374 kHz, 10-01, 0810/0830/0850 UTC

265 265 265 000

05772 00001 00000 35664

12157/13462/14374 kHz, 15-01/17-01, 0810/0830/0850 UTC

265 265 265 1 265 265 265 1 265 265 265 1

00619 00071 02776 52457 95448 26452 46630 61026 14568 30900

37975 70290 66259 10004 33830 43360 65968 79647 54732 62682

27176 62056 66780 81024 17352 16241 39600 85004 71116 32559

12660 19831 84162 23103 96979 53196 49400 35333 92457 49408

34121 44803 41700 89064 18787 24689 73188 63075 72948 58021

04608 05545 45824 04682 28160 95334 97157 52440 04688 78405

88326 46222 61867 95351 17857 57783 16602 88976 78855 19444

10969 28642 89694 36110

12157/13462/14374 kHz, 22-01, 0810/0830/0850 UTC

265 265 265 000

09252 00001 00000 33266

12157/13462/14374 kHz, 24-01, 0810/0830/0850 UTC

265 265 265 000

04918 00001 00000 41655

12157/13462/14374 kHz, 29-01/31-01, 0810/0830/0850 UTC

265 265 265 1 265 265 265 1 265 265 265 1

00616 00065 64279 18406 04092 97164 62396 86000 10242 01586

08825 84686 62168 06634 48623 84481 25315 19483 03564 62170

87198 59797 37736 85252 20151 16078 93219 23675 28973 10574

13438 08486 53108 59845 91419 68353 10660 90075 38323 89159

37636 10109 92668 57598 74401 24348 69399 69714 52233 77875

11736 00372 19553 21982 29913 55772 66322 99060 82042 95194

58607 07485 17557 57929 41575 69218 79227 42101

XPA2

11493/13393/14793 kHz, 02-01, 0800/0820/0840 UTC

02434 00001 00000 35255

14977/13971 kHz, 02-01, 0910/0930 UTC

02034 00000 0000 33656

16167/14663/13923 kHz, 04-01, 1400/1420/1440 UTC

02452 00001 00000 34257

14794/13994/12194 kHz, 05-01, 0930/0940/0950 UTC

02169 00001 00000 36260

16167/14663/13923 kHz, 05-01, 1400/1420/1440 UTC

03616 00001 00000 37254

16138/14438/13438 kHz, 06-01, 1300/1320/1340 UTC

05369 00001 00000 37263

11493/13393/14793 kHz, 07-01, 0800/0820/0840 UTC

08625 00001 00000 36662

14977/13971/13371 kHz, 07-01, 0910/0930/0950 UTC

01418 00001 00000 37252

16138/14438/13438 kHz, 08-01, 1300/1320/1340 UTC

06086 00001 00000 33266

10465/9165/8065 kHz, 08-01/10-01, 1300/1320/1340 UTC

04584 00131 50280 23679 98980 37762 56652 82322 42277 15795
67448 71789 55280 89166 73417 92112 90710 20267 77389 62491
68969 88327 61756 32119 42726 14521 25523 45483 34063 39076
15972 87400 06314 53160 23093 06380 36895 36003 09974 44838
84263 84816 89138 40029 08826 44769 52375 90634 14437 72360
67752 67598 60939 45316 76914 68487 63848 32233 35820 87344
40989 08112 00970 92146 71658 27677 85502 80452 61007 46619
97699 15507 09671 13853 64927 37605 89252 26941 44193 86391
14314 12480 17114 33123 89827 41218 10895 22603 20723 13220
12140 20317 78313 02105 60425 32319 55121 78075 75149 94176
37766 44895 04768 49371 37832 29865 68024 21414 90614 73082
52940 39188 77292 68673 50380 43441 51534 66038 03107 97071
87739 70125 98260 85224 31710 14276 55398 18321 46580 25978
81012 39841 87730 10403

11493/13393/14793 kHz, 09-01, 0800/0820/0840 UTC

06592 00001 00000 34667

14977/13971/13371 kHz, 09-01, 0910/0930/0950 UTC

01018 00001 00000 35252

14794/13994/12194 kHz, 10-01/12-01, 0930/0940/0950 UTC

00160 00081 22886 83791 97624 85529 59992 09775 99880 10888
18565 28199 59411 21104 11792 82955 85498 63655 68252 54795
26558 10976 59102 75585 13522 62105 81319 10019 77274 58481
76213 11817 22117 47426 66225 60274 88855 03210 21380 72505
95193 88819 11668 50206 17466 30074 75522 58025 81528 14626
51681 30665 81526 44133 22718 00003 53849 11747 22187 13586
30249 11150 02870 77873 99160 88117 30083 41307 33885 19077
91522 93365 69573 14998 82193 74805 82177 73131 77211 93837
72216 05597 20651 22666

16138/14438/13438 kHz, 13-01, 1300/1320/1340 UTC

05302 00001 00000 33655

11493/13393/14793 kHz, 14-01/16-01, 0800/0820/0840 UTC

03180 00201 84140 38498 15798 54772 22675 83716 62053 94345
94643 93402 07407 93887 92056 12406 09172 77181 75637 00521
56137 69703 78853 93992 49860 55844 42172 29549 27653 04468
14640 02850 73537 02566 26085 10144 44319 93077 86174 65508
90782 84525 56113 21601 84466 46481 88524 80359 91419 41794
51064 60597 62459 77591 18300 43922 17136 77739 33762 35679
30340 79232 44897 16806 32487 03284 25762 04607 05758 41513
82710 69679 16361 96838 89644 69305 41295 24043 00277 95439
18506 42497 09026 37225 45437 88668 34968 16828 36165 81276
46012 17660 96201 88862 20251 85288 51575 81259 13345 88111
05825 43550 03019 17223 26513 58226 46980 85091 64545 81225
53928 94935 97737 73712 00765 74818 03176 23306 74486 27433
84002 90253 19744 65584 85020 60959 35235 63389 86420 01243
00454 58805 22995 62418 39819 32462 73701 05561 93496 03193
37192 06398 83954 24701 35891 82854 82587 34201 55762 20374
91339 31094 25815 31014 04980 01525 54880 25774 50832 10770
18543 61264 82779 17397 07130 30365 77551 96713 96508 63725
04354 55473 84033 51104 43003 03992 53424 63544 15131 52731
87524 33433 98021 86387 00446 97122 07409 52119 31557 03418
83241 84665 49740 59774 58015 23590 90783 75673 84216 19165
88549 34038 37974 17525

14977/13971/13371 kHz, 14-01/16-01, 0910/0930/0950 UTC

02981 00081 70715 03118 46927 07008 44299 98267 16050 69313
72275 18945 65714 96168 22090 73316 60611 31328 37914 58324
35647 38769 77757 48729 67496 85837 76039 56654 53497 60748
14567 30189 29288 61876 67719 12595 79004 71075 81004 91170
21925 51338 55733 85424 90853 67762 02887 70445536040 06816
30746 31257 77188 58630 79228 78375 88817 47509 73788 98478
66840 11823 89566 52456 16803 61870 55201 13159 41252 02572
59839 68222 73544 14069 40654 18405 98821 93003 41551 13654
14842 50078 07218 57241

16138/14438/13438 kHz, 15-01/20-01, 1300/1320/1340 UTC

00309 00121 75106 13854 30539 67220 54258 29156 93229 35900
73395 83013 75080 56491 35455 42907 20802 51089 87929 53709
97539 31265 11511 96055 01830 05020 49882 40445 27995 85169
94253 64044 40275 44726 70465 88902 97209 50399 03712 58244
03467 67483 78039 91306 88618 40600 42712 75599 94439 38702
65717 74792 95836 90934 15074 52078 66786 05256 12692 63386
34706 34685 46532 32011 55795 75017 26539 94964 70144 78449
48375 56723 88954 13410 15164 64457 86008 87247 29821 42255
50249 36920 83395 90804 89378 56461 88792 15379 69345 12581
16329 43029 30796 60277 25012 74809 33787 39739 96745 30415
81203 08109 93487 56464 49239 27841 21686 90025 99278 67363
53508 04842 75912 61243 80166 94906 02987 11759 09154 49723
79435 43828 26904 73504

10465/9165/8065 kHz, 15-01, 1300/1320/1340 UTC

03561 00001 000000 42222

14794/13994/12194 kHz, 17-01, 0930/0940/0950 UTC

02236 00001 00000 35255

10465/9165/8065 kHz, 17-01, 1300/1320/1340 UTC

09674 00001 00000 36270

16167/14663/13923 kHz, 18-01, 1400/1420/1440 UTC
06331 00001 00000 33261

14794/13994/12194 kHz, 19-01, 0930/0940/0950 UTC
09156 00001 00000 34666

16167/14663/13923 kHz, 19-01, 1400/1420/1440 UTC
01987 00001 00000 41261

11493/13393/14793 kHz, 21-01, 0800/0820/0840 UTC
03109 00001 00000 36253

14977/13971/13371 kHz, 21-01, 0910/0930/0950 UTC
06190 00001 00000 31667

10465/9165/8065 kHz, 22-01/24-01, 1300/1320/1340 UTC
07839 00115 30730 67081 48852 72772 32601 69556 22288 03596
10992 35637 56880 67097 22789 61672 06713 02139 76336 13197
59272 53117 50564 08362 80404 02964 77523 22845 09459 70815
47538 38390 23621 90459 40906 43799 16592 34216 47034 21106
98861 87551 62152 41061 33451 12930 47372 08541 46992 75471
00348 61738 45256 95668 74299 55144 47874 97745 00977 87122
29244 79467 96804 14071 09481 78921 54499 86470 97844 07805
70107 57551 87274 06153 78885 02398 04887 72387 92346 19481
61886 24545 52115 84687 85601 31313 43236 60282 16223 59426
52005 94495 62642 29246 26230 71974 97660 17647 64250 84877
96359 74162 71129 55196 69615 42651 92550 82075 57504 03424
41096 32252 57337 75953 15557 19547 15491 63772

16138/14438/13438 kHz, 22-01, 1300/1320/1340 UTC
05526 00001 00000 36657

11493/13393/14793 kHz, 23-01, 0800/0820/0840 UTC
02747 00001 00000 40256

14977/13971/13371 kHz, 23-01, 0910/0930/0950 UTC
09082 00001 00000 22271

14794/13994/12194 kHz, 24-01/26-01, 0930/0940/0950 UTC
06223 00099 20474 97280 29646 98915 66628 56273 25097 99721
38250 64539 38679 31793 93730 42586 73259 56747 59426 81484
44850 59592 66984 38599 89929 49348 68236 23504 77795 17936
92699 85305 52295 44633 13203 89342 73206 12875 79846 10249
69631 02830 19255 99705 75087 87148 19803 89623 18953 21578
91434 15445 29304 19977 17010 62912 49592 33434 40612 40074
25140 44134 49687 15957 27754 73043 49786 05744 43141 05910
92880 81914 54837 44741 72180 51977 83361 00081 96804 99640
54893 36624 38124 24141 87158 58203 13900 21297 49317 47422
24560 77272 31421 23954 22832 35467 17868 78606 92237 60369
30437 13420

16167/14663/13923 kHz, 25-01/26-01, 1400/1420/1440 UTC

05827 00077 81353 04341 83323 37832 81273 27034 89248 45472
62780 67110 03026 97964 78222 44291 75664 26834 86997 83904
32309 95913 58377 74614 22848 33472 63584 03335 12418 25063
80333 28061 51823 99118 81003 98395 08855 24448 35770 44086
92800 03407 60762 08860 32216 55244 10082 82861 83678 60337
05993 21884 34882 88737 42535 11501 00400 00668 45738 33886
07535 44344 88110 51855 06607 42778 64555 25088 72023 78881
42772 33158 48658 15443 30800 30655 37130 20682 81112 41550

16138/14438/13438 kHz, 27-01, 1300/1320/1340 UTC

05724 00001 00000 36657

11493/13393/14793 kHz, 28-01/30-01, 0800/0820/0840 UTC

03585 00172 28330 11949 71971 15145 58347 40512 49161 95870
59154 99376 71397 89943 89477 48164 12387 71582 89335 27588
53009 54119 20875 80698 41258 97960 97424 06732 86621 10098
48830 70682 99947 22375 11224 50277 98778 87882 69320 50606
68880 37484 18484 37327 29235 90042 49538 07451 71009 40623
57285 22817 70797 25739 83639 14862 92774 36838 13205 23957
48073 16261 23987 58596 55600 06578 65912 50532 66484 76619
92356 12048 83784 03200 18949 39803 70278 58758 03392 75445
71816 62747 72066 20419 92024 46503 38366 91892 92346 14960
18619 77678 12453 14333 69242 92295 95298 25941 55644 74372
87195 43036 47868 48097 58511 73567 84659 60977 23282 03555
47466 31383 32056 91918 18179 76039 25287 51361 01156 49802
87979 20183 77405 93184 89120 50489 88527 66296 90168 40995
90797 67507 19908 60653 66851 85864 12623 27694 65159 42614
35221 42209 18452 78266 52768 35413 16766 38249 62581 27359
05180 60614 46042 70333 39196 04806 57980 29555 30060 59290
44195 36833 88051 13162 36265 80101 79468 78929 78839 78635
55746 32150 92504 37946 20020

14977/13971/13371 kHz, 28-01/30-01, 0910/0930/0950 UTC

08160 00095 89441 65330 78267 46391 60781 77518 98678 49697
34179 39803 38733 90198 21986 49482 67981 88000 23363 00655
54961 62945 62111 71267 61561 65435 72010 66476 97668 58379
72035 00047 45070 35128 76261 42945 53330 12676 69575 73162
19885 67665 15741 92002 00806 23411 53352 45855 13667 78523
49005 35196 30011 13039 66317 57701 09854 22844 79217 91757
28789 03294 43520 06104 45174 52886 25409 45023 95876 44058
26142 64608 70306 57601 30145 43783 46626 86348 26231 06387
81142 19475 19079 49929 04337 08638 95906 60618 32464 53169
68999 53341 76971 40924 85230 12693 66738 63332

9317/8117/7517 kHz, 28-01, 1600/1620/1640 UTC

06488 00001 00000 37266

16138/14438/13438 kHz, 29-01, 1300/1320/1340 UTC

01246 00001 00000 35255

10465/9165/8065 kHz, 29-01, 1300/1320/1340 UTC

01307 00001 00000 36251

14794/13994/12194 kHz, 31-01, 0930/0940/0950 UTC

06840 00001 00000 35262

10465/9165/8065 kHz, 31-01, 1300/1320/1340 UTC

02646 00001 00000 37256

DIPLOMATIC STATIONS

North Korean diplomatic stations

| Freq | Date | UTC | Mode |
|-------|------|------|------------------|
| 14750 | 3-1 | 0729 | DPRK-ARQ 600 LSB |
| 10888 | 3-1 | 0730 | DPRK-ARQ 600 LSB |
| 10339 | 14-1 | 1306 | DPRK-ARQ 600 LSB |
| 11485 | 17-1 | 1206 | DPRK-ARQ 600 LSB |
| 12110 | 17-1 | 1206 | DPRK-ARQ 600 LSB |
| 18860 | 26-1 | 1009 | DPRK-ARQ 600 LSB |
| 14412 | 26-1 | 1226 | DPRK-ARQ 600 LSB |
| 12208 | 26-1 | 1230 | DPRK-ARQ 600 LSB |

Czech diplomatic/intelligence stations

| Freq | Date | UTC | Mode | Station/details |
|-------|---------|------|----------------------|--|
| 16342 | 26-1, | 1100 | Pactor-III | Czech diplo i.p. Ended with #CRCOK# |
| 8175 | 27-1, 9 | 1717 | Pactor-II/Pactor-III | O11A: Czech Intel. #EASY# in PACTOR-II followed by #DIR# |

UTILITY ROUND-UP

North Korean Military stations

All logs submitted by JPL and F5JBR

3098.8 kHz, 02-01, 1902 UTC, CW, i.p.
V V V X K O X K O X K O D E K Z G K Z G Q S A 5 5 ? 3 3 2 8 (x3)

3547.8 kHz, 02-01, 1911 UTC, CW, i.p.
V V V B M 2 B M 2 B M 2 D E 5 P T 5 P T Q R U
5 6 7 0 5 6 7 0 V A V A T T

4356 kHz, 10-01, 0858 UTC, i.p.
2 7 4 5 9 4 5 0 7 6 9 5 8 2 3 2 3 5 7 9 4 9 8 1 2 0 2 2 1 8 3 4 3 2 2 4 1 9 9 9 7 3 0 1 9
0 5 0 3 5 4 4 8 2 2 4 2 9 7 1 5 8 5 2 9 7 0 8 9 0 7 8 4 4 2 K
V V G T F G T F D E 8 X H Q A R K
N R 0 1 W 1 0 =
4 6 T 6 4 3 2 8 5 9 7 5 0 6 5 2 3 8 6 2 2 7 4 5 9 4 5 0 7 6 9 5 8 2 3 2 3 5 7 9 4 9 8 1 2 0 2 2 1 8
3 4 2 2 2 4 1 9 9 9 7 3 0 1 9 0 5 0 3 5 4 4 8 9 2 4 2 9 7 1 5 8 5 2 9 7 0 8 9 0 7 8 4 4 2 K
V V V A B V A B V N R 0 1 W 1 9 =
4 6 0 6 4 3 2 8 5 9 7 5 0 6 5 2 3 8 6 2 2 7 4 5 9 4 5 0 7 6 9 5 8 2 3 2 3 5 7 9 4 9 8 1 2 0 2 2 1 8
3 4 2 2 2 4 1 9 9 9 7 3 0 1 9 0 5 0 3 5 4 4 8 9 2 4 2 9 7 1 5 8 5 2 9 7 0 8 9 0 7 8 4 4 2 K
Q R U K
Q R U Q R U K

4921 kHz, 10-01, 0846 UTC, i.p.
V V V X U V (x3) D E A B 8 (x2) Q R U
4 2 2 1 4 1 2 1 S K S K
V V V O 6 U D E O 9 B Q S A 2 (Same station - Changed callsigns)
V V V O 6 U D E O 9 B Q S A 2 ?
V V V O 6 U D E O 9 B Q S A ? (Cont'd)
4 2 2 2 4 2 2 2 K

4356 kHz, 13-01, 0859 UTC, i.p.

97729 80114 62398 99270 68928 49597 99059 50982 99608 11765
60.77 22808 94523 43486 75565 ..073 40543 30344 345.. 22608 51694
.8481 26.81 41216 K
QR AS AS
QSA 1 QSA ? K
QR. K
BK K K BK BK RPT RPT K
.. ? K
1 = 77669 ? K
2 ?
3 ? K
?? K
3 = 98826 ? K
4 ? K
?? K
4 = 64987 ? K
5 ? K
6 ? K
7 K
BK BK 7 ? K
8 ? K
9 ? K
10 ? K
? K
11 K
11 6.7273 ? K
? K
11 = 77271 ? K
12 ? K (Cont'd requesting groups)

4125 kHz, 14-01, 1648 UTC, i.p.

VVV 8VH DE RGH QRU
7890 7880 SK SK

5146 kHz, 14-01, 2332 UTC, i.p.

VVV J5S (x3) DE KUC (x2) 7G
QSV K
OHR QSV K

3746 kHz, 16-01, 1719 UTC, i.p.

LV CQ DE FUM 9163 9163 9163 K SK

3787.5 kHz, 23-01, 0918 UTC. CMG wkg CSJ

QTC 02 26 = =
55384 43986 94196 62807 45495 67439 31081 02550 81177 84037
95893 29961 72180 17971 52167 04977 75938 43301 10128 68865
62806 22921 12647 09562 19183 46339 K
ABV QTC 02 26 = =
55384 43986 94196 62807 45495 67439 31081 02550 81177 84037
95893 29961 72180 17971 52167 04977 75938 43301 10128 68865
62806 22921 12647 09562 19183 46339 K

3787.5 kHz, 23-01, 0925 UTC. CMG msg to unid station

QTC 03 75 = =
60009 14008 36270 51638 82415 81691 ... K
ABV QTC 03 75 = =
60009 14008 36270 51638 82415 81691 ... K
QRU SK

3148.7 kHz, 25-01, 1855 UTC, i.p.

LV (x2) 7VH (x3) DE (x2) TT7 (x2) 5932 (x3)

QTC

1859 UTC: shifted to 3148.5 kHz

LV (x2) 7VH (x3) DE (x2) TT7 (x2) 5932 (x3)

LV (x2) 7VH (x3) DE (x2) TT7 (x2) 5932 (x3)

1906 UTC: shifted to 3148 kHz

QRC QTC QTC NR 241. 05 0126 04.00019 100..

QTC QTC QTC

NR NR .30405 0126 0400 0019 01 = =

2.643.410. 36827 49172 20017

QTC QTC

NR 2414 05 0126 0400 0019 301 = =

27653 54102 36827 49172 20017

QTC QTC QTC

NR 2414 05 0126 0400 0019 101 =

427653 54102 36827 49172 20017

QTC QTC

NR NR 2414 05 0126 0400 0019 101 = =

27653 54102 36827 49172 20017

Japanese Military stations

2421 kHz, 23-01, 1000 UTC. Japanese Military

PÛÛR wkg PÛÂZ, PÇPÇ, PÂMP, PÂDÇ : PÛPÛ, PÛVZ, RÛSÛ, PÛÇP, RÛÂM, RÛDÂ, RÛÛÇ

Selective callsign is PÂÂR

5055 kHz, 23-01, 0950 UTC. Japanese Air Force

JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22

3195 kHz, 23-01, 0955 UTC. Japanese Air Force

JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22

2671 kHz, 23-01, 1000 UTC. Japanese Air Force

JJU22 wkg JJU33 JJU55 JJZ44

2685 kHz, 23-01, 1000 UTC. Japanese Air Force

JJT44 wkg JJT30 JJT88 JJW35 JJV89 JJV40 JJW46 JJS76 JJT99

3210 kHz, 23-01, 1000 UTC. Japanese Air Force

JJT88 wkg JJX25 JJX36 JJZ59 JJZ48 JJZ26

3587.5 kHz, 23-01, 1010 UTC. Japanese Air Force

JJT88 wkg JJR20 JJT77 JJT72 JJT46

3852.5 kHz, 23-01, 1015 UTC. Japanese Air Force

JJZ37 wkg JJZ82 JJX58 JJX47 JJZ71 JJZ50 JJZ93 JJZ60

3691 kHz, 23-01, 1020 UTC. Japanese Air Force

JJT88 wkg JJT20 JJT55 JJS32 JJT33 JJV23 JJV90 JJT44

3650.5 kHz, 23-01, 1030 UTC. Japanese Air Force

JJT88 Wkg JJV34 JJV56 JJT66 JJV67 JJW24

Propaganda

7050 kHz, 19-12-2018, 1311 UTC Russia / Ukraine propaganda war
7055 kHz, 01-12-2018, 1810 UTC Russia / Ukraine propaganda war
7055 kHz, 19-12-2018, 1313 UTC Russia / Ukraine propaganda war

Unid stations

3332 kHz, 18-01, 2003 UTC, CW. Copied by JPL

HYILD KTRMI

HYILD KTRMI

HYILD KTRMI

UQDUU IWRPW ZDÜHU ÄIPÄW = K

Intelligence news

KABUL, Afghanistan — The Taliban infiltrated an Afghan intelligence base on Monday killing dozens who worked for the agency in what officials said was one of the single deadliest attacks against the intelligence service in the 17-year war with the Taliban.

Source New York Times. See: https://www.nytimes.com/2019/01/21/world/asia/afghanistan-taliban-attack-intelligence-wardak.html?emc=edit_na_20190121&nl=breaking-news&nli=61653669ing-news&ref=headline

US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz

| DATE | UTC | CALLSIGN | DETAILS |
|-------|------|------------|---|
| 01-01 | 1517 | Exterior | 30 chr EAM 74FXNZ 3O2HNO2JQ6OWISXSQUF2EGQ |
| 01-01 | 1519 | Exterior | 30 chr EAM 74UE2W BBSROL2CXCVCZNCRTAQZW7LA |
| 01-01 | 1549 | Exterior | 30 chr EAM 74BTYA C6YNPBDNJPXHD2K2Y3BFZ7P |
| 01-01 | 1553 | Exterior | 30 chr EAM 74K6LC KOOVBA5J4KLBLXYOJOCVY3GJ |
| 01-01 | 1604 | Exterior | 30 chr EAM 74K23X 34PVSFVLK14XKYVTXIDQOZS6 |
| 01-01 | 1609 | Exterior | 30 chr EAM 74MJFG 3TCCQFQOPXZ4GZ5LXZV6K3WH |
| 02-01 | 1522 | Celebrity | 30 chr EAM 7437EQ 4Q55Z4PTTEYDUYJP3KTJB2MV |
| 02-01 | 1632 | Celebrity | 30 chr EAM 7437EQ 4Q55Z4PTTEYDUYJP3KTJB2MV |
| 02-01 | 1706 | Celebrity | 144 chr EAM GLV6RK TM35VO6M6Z4RDAV2TV?SSRJ?EO3IKE63DZ2MV7FP77IWE7JKKKKH5E4KV2XBX5BBQVKVKSSS SCRYLDIWRCYQL2WB3W2Q56IGVNVRLNFR6W6IBVUU33ELWXU17IGCJJJHBJO7O45 |
| 02-01 | 2255 | Celebrity | 30 chr EAM 74IFRS RO74JZIJL3CEJ4OUFDSUCLM |
| 03-01 | 0144 | Carpet Bag | 30 chr EAM 74NFIO P6HOVTAKPRJLMGWCQG2G6I5N |
| 03-01 | 0658 | Carpet Bag | Skyking message: Billy Idol Time 0658 Auth QB |
| 03-01 | 0700 | Carpet Bag | Skyking message: Billy Idol Time 00 Auth IB |
| 03-01 | 0701 | Carpet Bag | 30 chr EAM 74YVYU 62OVRXFZXGXCFVDVTLNQXMKO |
| 03-01 | 0704 | Carpet Bag | 30 chr EAM 74OCLC RBNC3AT7GIDVKCWK3PHGIP2S |
| 03-01 | 0718 | Carpet Bag | 30 chr EAM 74OHFZ KH4ASXMCYXBR56JGE52UEHXC |
| 03-01 | 0720 | Carpet Bag | 30 chr EAM 74GOJH CYHDPFS5OCMENMXIM2YWNF3 |
| 03-01 | 1533 | Carpet Bag | 30 chr EAM LDFKB4 JAP23XJ2YAHGUO5567DXWC4A |
| 03-01 | 1605 | Carpet Bag | 30 chr EAM LDWKUN RPU2OLHK2QI7ZM7VVMRQIEV7 |
| 03-01 | 1608 | Carpet Bag | 30 chr EAM LDFGVT O3N2HRHN3GCUS2F335TFVYW7 |
| 03-01 | 1612 | Carpet Bag | 30 chr EAM LDR2QY QS7YMG24RJNSASB6E5SBKOL6 |
| 03-01 | 1624 | Carpet Bag | 30 chr EAM LDJP2T 6IYNGR5EAD5OEENHTVJRQ3DA |
| 03-01 | 1628 | Carpet Bag | 30 chr EAM LDYEF2 NKHBLN3B3BKJ2HHOZXLPIUYQ |
| 03-01 | 1635 | Carpet Bag | 30 chr EAM LDBABO KIDF5OKVHROHA5EVN3VBUEN4 |
| 03-01 | 1638 | Carpet Bag | 30 chr EAM LDMDLF TEB4NJ2NJFTL636MS2WJBOIA |
| 03-01 | 1643 | Carpet Bag | 30 chr EAM LDFKB4 JAP23XJ2YAHGUO5567DXWC4A |
| 03-01 | 1851 | Carpet Bag | 30 chr EAM for Waste-13 NPFQOO IYP2LVDLJDPRDJO7YE3DAE5L |
| 03-01 | 1920 | Carpet Bag | 30 chr EAM LD5FJT XO3DSUGDOQT7Q2CJPAHXSCMV |
| 03-01 | 2116 | Carpet Bag | 30 chr EAM LD7X4R HPID36TFAU32L232MTQTESBY |

| | | | |
|-------|------|------------|--|
| 03-01 | 2333 | Carpet Bag | 30 chr EAM LDSZFK 64QT2VBWFYWMC35Y6AR3D6AJ |
| 03-01 | 2336 | Carpet Bag | 30 chr EAM LDXH5W IOWTD6AVX6BRHD4NHAKTIXNE |
| 03-01 | 2339 | Carpet Bag | 30 chr EAM LDBQ53 NVQQZR6PITJQCGKZTKCIBDUR |
| 04-01 | 0520 | Rotarian | 30 chr EAM LDJ6CQ PJGAW2X45NEUXTJS6B5YLEQN |
| 04-01 | 0534 | Rotarian | 30 chr EAM LDKM5Q YEPHDPXEIBZCMU3SHOY3ERAD |
| 04-01 | 0550 | Rotarian | 30 chr EAM LDDAKS IPKGUX3GKMCRHBIZPSMJ2QB |
| 04-01 | 2056 | Rotarian | 30 chr EAM LDFBXP 3WXOS756KVTBE5MNDOS3LKBT |
| 04-01 | 2153 | Rotarian | 30 chr EAM LDCXF4 BYLD7YXZA7JTTJCU6WQOZGPC |
| 04-01 | 2339 | Rotarian | 30 chr EAM LDPNRH WPXH7WTHLTBVANTRQD6PWSVK |
| 05-01 | 0011 | Andrews | Skyking message: Glen Time 11 Auth JC |
| 05-01 | 0446 | Megaphone | Skyking message: Glen Time 46 Auth QH |
| 05-01 | 0551 | Megaphone | 30 chr EAM LDLASQ W7SCEHYQLDREMJJWUJFHDAYP3 |
| 05-01 | 0554 | Megaphone | 30 chr EAM LDOWGV QIKFFWEDIPQFKAVFNVIQNPFR |
| 05-01 | 0557 | Megaphone | 30 chr EAM LDJ4MC D6GHQLXVVU2BF7SDSDCUF5G2 |
| 05-01 | 0600 | Megaphone | 30 chr EAM LDIO4D NXLYGGYSXSTCUCT2LXZIPMWQ |
| 05-01 | 0645 | Megaphone | 30 chr EAM LDHPRS DGKG6QM353PXTPI2XKUPJ3W7 |
| 05-01 | 1317 | Megaphone | 30 chr EAM for Weeper NPJNHG PI2QIZAAANXW3S2GI44WKDZSR |
| 05-01 | 1320 | Megaphone | 30 chr EAM for Weeper NPJNHG PI2QIZAAANXW3S2GI44WKDZSR |
| 05-01 | 1333 | Megaphone | 30 chr EAM for Weeper NPVK2Q 4G3A7X3JLKMCRM2SKMJK3WSZ |
| 05-01 | 1343 | Megaphone | 30 chr EAM for Weeper NPYKUU 6PRNKW235ES4OXMW6CC2CM4E |
| 05-01 | 1528 | Megaphone | 30 chr EAM LDFRZ4 JHRXBUYARX4CK3OA3XQDBYNC |
| 05-01 | 1531 | Megaphone | 30 chr EAM LDJTSF L7LZY6CQVXTPZL7PH3ISWUTF |
| 05-01 | 1537 | Megaphone | 30 chr EAM LD22Y6 MH3CPNL2KSIGO7FB4QHJXZVU |
| 05-01 | 1540 | Megaphone | 30 chr EAM LD22Y6 MH3CPNL2KSIGO7FB4QHJXZVU |
| 05-01 | 1602 | Megaphone | 30 chr EAM LDQ5UV HNNTXEEZ6WNVKWW5FPALYTKO |
| 05-01 | 1612 | Megaphone | 30 chr EAM LDAJJ7 EWOBNMRRVY7DW4V3SCV3WYRD |
| 06-01 | 0216 | Andrews | Skyking message: Kiss Time 16 Auth HV |
| 06-01 | 0508 | Fan Blade | 30 chr EAM LDYHIA W5AWEN6LYRG4MJF4HW4NQHI3 |
| 06-01 | 0534 | Fan Blade | 30 chr EAM LDDJL7 XM4YPEFWPNCN7XW3J5XDUY6H |
| 06-01 | 1822 | Fan Blade | 30 chr EAM LDLDE4 4CWIQTNZINC5RERAG3FE3N2V |
| 06-01 | 2327 | Fan Blade | 30 chr EAM LDK2TY X7E3RUK272QPP7N5GX6VR7PO |
| 07-01 | 0226 | Andrews | Skyking message: Waterboys Time 26 Auth XM |
| 07-01 | 0602 | Life Buoy | 30 chr EAM LD52PA VX52Z3ZY2LFZEA72SPA27KL |
| 07-01 | 0605 | Life Buoy | 30 chr EAM LDNRLE 7DHFDFU4QAWLKV6EQKD2IGZU |
| 07-01 | 0613 | Life Buoy | 30 chr EAM LDZIIF AWFU6YTETSSYD72Y6QCDT5GA |
| 07-01 | 0630 | Life Buoy | 30 chr EAM LDZIIF AWFU6YTETSSYD72Y6QCDT5GA |
| 07-01 | 0633 | Life Buoy | 30 chr EAM LDNRLE 7DHFDFU4QAWLKV6EQKD2IGZU |
| 07-01 | 0638 | Life Buoy | 30 chr EAM LDSXVT D6ZPUDG43HMFTGTGTF26GXHV62 |
| 07-01 | 1652 | Life Buoy | 52 chr EAM NPJYZL IIZB56ZRY66074BOFNBOMFU2VR66JKQM6F6TRB6EI2VJS5 |
| 07-01 | 1956 | Life Buoy | 30 chr EAM LDTCZ6 PJY5BTDDLGR5CWPRVTJRP7BY |
| 08-01 | 0246 | Audio Kit | 30 chr EAM LDBLN4 J3DRGXNM3GLJNTM4MWH7ZJPF |
| 08-01 | 0730 | Audio Kit | 54 chr EAM GLY4ID 67DU3WKQ27PAULKWZXD7AEEMFPZBDVVDW24444V5U6ECGJW |
| 08-01 | 0847 | Audio Kit | 54 chr EAM GLCP3Q NNHL7SV46ZREHJY5WVIBLNNQ5NHOIVVNIKTQQQQRWPF4WFDN |
| 08-01 | 1055 | Audio Kit | 30 chr EAM LDYMGQ E3LLKODTGYQXPLEWHZMOQAK2 |
| 08-01 | 1134 | Audio Kit | 30 chr EAM LDUXZI HKL7BZSNA3FFMHJWVMG6ZJ3Y |
| 08-01 | 1818 | Audio Kit | 30 chr EAM LDEIHI BEZQNBTZ6YWQJ2WESWMKNHDL |
| 08-01 | 1820 | Audio Kit | 30 chr EAM LDYCWK RLHAD5OIXHOJC2RUUADHVR4 |
| 08-01 | 2152 | Audio Kit | 30 chr EAM NPSAZJ 7M4SD3ICJEA7D5RMNWWFMCY |
| 08-01 | 2231 | Audio Kit | 36 chr EAM NPODL6 BNFFEXXLCZSH35PLEPX3GVJKJ5XICC |
| 08-01 | 2240 | Audio Kit | 30 chr EAM LDBSMU UTMRKMTFLLNBLJTKKPBNEOL |
| 09-01 | 0325 | Augustine | 30 chr EAM LD7LSG UQESOF4VTU6WJEV3AYULEP7S |
| 09-01 | 0532 | Augustine | 30 chr EAM LDFZG7 A45EGADQF3O6B7VGB5LZ2EGW |
| 09-01 | 0535 | Augustine | 30 chr EAM LDIM77 YROTKABIWMRR2K5SH3NBXGUO |
| 09-01 | 0537 | Augustine | 30 chr EAM LDUGQK NXDWEXJVJ6T6WK5U2TIVQWYH |
| 09-01 | 0550 | Augustine | 30 chr EAM LDV5IP A6ENGNBTQ6XWYRTDZ3RTX6SB |
| 09-01 | 0553 | Augustine | 30 chr EAM LD2Q3M MDGWQ7LJAKZAVOSC7UVR2OPQ |
| 09-01 | 0556 | Augustine | 30 chr EAM LDPUJD HJO5JL3DFUJGBDKK27KOZ6GE |
| 09-01 | 0559 | Augustine | 30 chr EAM LDEYQQ R44ZBVVLABD77E5FLGNOKPEA |
| 09-01 | 0619 | Augustine | 30 chr EAM LDNICJ 45BMDYBV6JYOBJLT3XGV4B |
| 09-01 | 0700 | Augustine | 30 chr EAM LDCPKD F2R2SOYPRGRDWD65NOH2DVU |
| 09-01 | 0711 | Augustine | 30 chr EAM LDX5NN HIZDFBILMK7WV2FOJLYEREA4 |
| 09-01 | 0714 | Augustine | 30 chr EAM LD2IXM UKDRVFB4OHHFHEGG5XDE53V |

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| 09-01 | 1816 | Augustine | 30 chr EAM LDVNVP HABABGWRWUP7NTQ24REWTZHJ |
| 09-01 | 1822 | Augustine | 30 chr EAM LDOLPX FQVL67XCIQ2AFTQFYIWJNS5T |
| 10-01 | 0718 | Ball Bat | 30 chr EAM LD2TD5 7IWNWNFGZX4WGEFURFXTHAGY |
| 10-01 | 0721 | Ball Bat | 30 chr EAM LDCVBX HDJ7EZVJUM2V7SMWFUNWIOHJ |
| 10-01 | 0724 | Ball Bat | 30 chr EAM LDJMJW JHOX5RYXEFJFHAM5BPNSIVW5 |
| 10-01 | 0727 | Ball Bat | 30 chr EAM LD7PKG H4OYYXH6TPWW4VNRGYYHEJTB |
| 10-01 | 0730 | Ball Bat | 30 chr EAM LDU5UF QAYFRAZHTRGCGGFOFCAIACWG |
| 10-01 | 0735 | Ball Bat | 30 chr EAM LDZ27F DZM2SGKOWCXI6DJW7JVLAREO |
| 10-01 | 0745 | Ball Bat | 30 chr EAM LDQOEZ 75PRPFCTAMCBQTZDQ7ZRWJS7 |
| 10-01 | 0749 | Ball Bat | 30 chr EAM LDQ7UO 4JB5WDO4YOI74SNVDCVMBC7L |
| 10-01 | 1119 | Ball Bat | 30 chr EAM for Union Suit NPEOYD MRRVFCKF6LYYL3ET7EHATQ3T |
| 10-01 | 1133 | Ball Bat | 30 chr EAM for Union Suit NPNKDV 7QC3YOLNWXLOVE2GYSL6JIM3 |
| 10-01 | 1243 | Ball Bat | 30 chr EAM for Union Suit NPNPEE 7EZETXQ3DIZN3QKKXTL2K4BJ |
| 10-01 | 1255 | Ball Bat | 30 chr EAM for Union Suit P5RA33 R5RMH5YH6Z27VATBICXCHWTS |
| 10-01 | 1432 | Ball Bat | 30 chr EAM LDHRG6 WNVUV4ALLOBHSOKUIISRX6VW |
| 10-01 | 1520 | Ball Bat | 30 chr EAM LDO7X6 5PRGVKMWING2EZZGALBHW637 |
| 10-01 | 1523 | Ball Bat | 30 chr EAM LD5CZZ GSKQE4AQXAN76NL2NDMCQX7U |
| 10-01 | 1535 | Ball Bat | 30 chr EAM LD47RI B7CD2UVZLIZW47IOQQBVP6QG |
| 10-01 | 1744 | Ball Bat | 65 chr EAM P56MQO WZMOCXPTRZQTONOQLE5XBLH3WC7GA4HS7OR7PT5XBIABOYQOA4VYLA4H4N |
| 10-01 | 1749 | Ball Bat | 30 chr EAM P5WHIY CXPADQ3PGSBSDAKQJLN622GF |
| 10-01 | 1833 | Ball Bat | 46 chr EAM P5RQPI S42II322IOBMDE6CCJV6CCPV6CJPUTIHYTEG3SCA |
| 10-01 | 1850 | Ball Bat | 30 chr EAM LDBCWC TDMNY73QWKUXG5IOPT3W75LO |
| 10-01 | 1913 | Ball Bat | 30 chr EAM LDZ76W 5ROG2SUBQPUIXGH47XT6UKC |
| 10-01 | 1921 | Ball Bat | 30 chr EAM LDTRBD F3UXKJBV4G2HAMIZXSEZKDTH |
| 10-01 | 2047 | Ball Bat | 30 chr EAM LDM6TG 7KLE3RHOACA34SGJLZWB4IK3 |
| 10-01 | 2258 | Ball Bat | 30 chr EAM LDJNUV HSLHBUO70QU7F2HMQCLKM2B3D |
| 10-01 | 2313 | Ball Bat | 30 chr EAM LDNUJ7 V4OLW4ONTMSYNR6KCVLPRJD4 |
| 10-01 | 2325 | Ball Bat | 30 chr EAM LDHUTR HSZWSK376RMPO52CC4DTS4GV |
| 10-01 | 2332 | Ball Bat | 30 chr EAM LDIA64 U43RN7D4LSKPHGALS5ROGFYX |
| 11-01 | 0100 | Andrews | Skyking message: Pink Floyd Time 00 Auth PF Andrews |
| 11-01 | 0130 | Bobsled | 30 chr EAM LDDSYF LWCTB6ZFHLMW6JDTOC4YHA3O |
| 11-01 | 0219 | Bobsled | 30 chr EAM LD6ILX B2K7AMPQPDPGMABE17IL2T6V |
| 11-01 | 0643 | Bobsled | 30 chr EAM LDA4AX FPKCKHFLNTBSP3UBCHCGDVA4 |
| 11-01 | 0714 | Bobsled | 30 chr EAM LDH2JO VE2SSNPICXDLVFCNLNB7X6SO |
| 11-01 | 0726 | Bobsled | 30 chr EAM LDU737 ANYYIWWEOUJCJLNI3PVSOXIW |
| 11-01 | 0737 | Bobsled | 30 chr EAM LDHNYQ A6UUUQFBV2KU3BXW7HC5LCRZV |
| 11-01 | 0740 | Bobsled | 30 chr EAM LDNHL3 QBPV4DF7HOWJFQORHYH6IOGF |
| 11-01 | 0758 | Bobsled | 30 chr EAM LDT575 PNAFZAALIKPJMBZJEVN6AUF |
| 11-01 | 0802 | Bobsled | 30 chr EAM LDH3JE ABZ6HW73F4Z3EW6E5DFML2AV |
| 11-01 | 1442 | Bobsled | 30 chr EAM LDGC44 HFHFNE7EQSQBQGTGCOGSKLIV |
| 11-01 | 1524 | Bobsled | 30 chr EAM OC4SJK BJ6HLETR4XQ757MYZRNJCAJD |
| 11-01 | 1534 | Bobsled | 30 chr EAM OC6DL7 SHVPFZEP6KRBUC3F75YJILA |
| 11-01 | 1713 | Bobsled | 30 chr EAM P5ZH2E XGP4O65MAZGIFZMZ3QXD7YLP |
| 11-01 | 1926 | Bobsled | 57 chr EAM P55JWW RKCCJQFKEAILMPUWDQIWITLIUAWLD5GGK36AIGED5GK3DUSMBH |
| 11-01 | 1953 | Bobsled | 36 chr EAM P5PR7W FCO6WCRXBGAROFFHJAW46WTTFYR7ZJ |
| 12-01 | 0803 | Wash Tub | 30 chr EAM OCEMD6 CJ4CYGDUQBUD7ZTL3KA2WPKG |
| 12-01 | 0806 | Wash Tub | 30 chr EAM OCFCSA L5EF2VDGALAK3XSQJ2XZN6H3 |
| 12-01 | 0809 | Wash Tub | 30 chr EAM OCKN4U 3YDWFNVO23EJUC4OLTYTAWHS |
| 12-01 | 0812 | Wash Tub | 30 chr EAM OCPSIW GB5AOGWP7NLPZC47MYGLZE2P |
| 12-01 | 0822 | Wash Tub | 30 chr EAM OCTH62 SLTXSGBSCTPZS6BC45Y7TOAG |
| 12-01 | 0825 | Wash Tub | 30 chr EAM OC2RLQ JUB4YCIT4FWZCR4FKJK74NQS |
| 13-01 | 0102 | Creation | 30 chr EAM P5BYKY GUIT2WTT2POB5YMUBGVYIMKS |
| 13-01 | 0105 | Creation | 30 chr EAM OC4KHX IADDVZEEN5TKG5POECX5WP52 |
| 13-01 | 0143 | Creation | 30 chr EAM for Jonesy P5TVAP DD6GURBJEQX44U6I2Q7DGWJY |
| 13-01 | 0709 | Creation | 30 chr EAM OCOC62 FDTA4ZDG22FAJVXPDOXHSD4I |
| 13-01 | 1930 | Creation | 36 chr EAM P5CH33 HNDCRJ3AVGXLUNNN2SHZTHGXST7X |
| 13-01 | 1934 | Creation | 30 chr EAM P5NWIS ACLJ75QPEMGC7JPW4NZDKSSE |
| 14-01 | 0212 | Taxpayer | 30 chr EAM OCH32U BKQLVATSHBJHKM7QIMGUZQ7P |
| 14-01 | 0651 | Taxpayer | 30 chr EAM OCT3FQ JHEBZ5ZBVD3BZWCE54Y2BGWN |
| 14-01 | 0702 | Taxpayer | 30 chr EAM OC3UA7 VU4ZATRBTBZXNZZ5X4URGBW |
| 14-01 | 0707 | Taxpayer | 30 chr EAM OC6M4H K6RMBCHXHFJYYZ3OMAA45DNQL |

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| 14-01 | 0710 | Taxpayer | 30 chr EAM OC3UA7 VU4ZATRBTBZXNLZ5X4URGBW |
| 14-01 | 0739 | Taxpayer | 30 chr EAM OCU3GA Z7TVFHHTNJVVVDUP3ITNYK7O2 |
| 14-01 | 0741 | Taxpayer | 30 chr EAM OCLBDT RUNODT5VDQ3L4OPIK7IAEPGF |
| 14-01 | 1530 | Taxpayer | 30 chr EAM OCEW2J Y7SZWXLOVM34AXV2BARB63ST |
| 14-01 | 1532 | Taxpayer | 30 chr EAM OCUDFH U3WTSVDVNDNS3UB7UYJUDSZPV |
| 14-01 | 1534 | Taxpayer | 30 chr EAM OCEW2J Y7SZWXLOVM34AXV2BARB63ST |
| 14-01 | 1703 | Taxpayer | 30 chr EAM P5AJHR FSOO26YK5LFR6FMP3QU3C76J |
| 14-01 | 1748 | Taxpayer | 30 chr EAM OCHM24 AFA4UYFKSDXLPEAMRNT2KDO2 |
| 14-01 | 1752 | Taxpayer | 30 chr EAM OCELNP HLFDEA3A6FS4EUMBFBMQWGB67 |
| 14-01 | 1825 | Taxpayer | 30 chr EAM OCOEHA 7LA3EPE2MAWZJPHM2EBJZVNH |
| 14-01 | 1828 | Taxpayer | 30 chr EAM OCC3LR 5VVB6DV73BMFZK6NOQOACYED |
| 14-01 | 1831 | Taxpayer | 30 chr EAM OCHM24 AFA4UYFKSDXLPEAMRNT2KDO2 |
| 14-01 | 1858 | Taxpayer | 30 chr EAM OCHM24 AFA4UYFKSDXLPEAMRNT2KDO2 |
| 14-01 | 1906 | Taxpayer | 30 chr EAM P57US2 NSXOIMQRNWMISADXL6VAAL4I |
| 14-01 | 1917 | Taxpayer | 30 chr EAM for Barbell P5KHR6 OCXECAA5KDBVFR0YBDL6O6NL |
| 14-01 | 1921 | Taxpayer | 36 chr EAM P5ZKXW PQCFYRWPDP6MMTVBYZ42E6TVT3FAWX5 |
| 14-01 | 1925 | Taxpayer | 36 chr EAM P5ZKXW PQCFYRWPDP6MMTVBYZ42E6TVT3FAWX5 |
| 14-01 | 1930 | Taxpayer | 30 chr EAM OCHM24 AFA4UYFKSDXLPEAMRNT2KDO2 |
| 14-01 | 1934 | Taxpayer | 30 chr EAM OCXGYQ 6TUJVGBOFOVKA6JGN3SHYJQU |
| 14-01 | 1959 | Taxpayer | 30 chr EAM OCHM24 AFA4UYFKSDXLPEAMRNT2KDO2 |
| 15-01 | 0219 | Safe Hat | 30 chr EAM OC7FNJ BFAVGZGN7ZZGWXUD5SH4YTIP |
| 15-01 | 1603 | Safe Hat | 52 chr EAM P5GAK6 O2AHV6PPVEG2FMON4XVO4OAFPMRRI0ARGZBNWM2ZYDXZQS 52CHR |
| 15-01 | 1625 | Safe Hat | 30 chr EAM P5JQ30 NHGDDICU6IYTUNKXNF4CGQKI |
| 15-01 | 1645 | Safe Hat | 30 chr EAM OCTNB6 TJLZG6FKSDU6FZOFITUE6CFA |
| 15-01 | 1706 | Safe Hat | 30 chr EAM P5L4JV BK7HSGKJ6UMGJRQWX7FL5IZX |
| 15-01 | 1711 | Safe Hat | 30 chr EAM OCZ2SW YLDZQEKCVERD5UX75CFQ6SBW |
| 15-01 | 1735 | Safe Hat | 30 chr EAM OCM3JH IF3R3HAGELWRA3VRR5ECN7QW |
| 15-01 | 2003 | Safe Hat | 30 chr EAM OC3HRJ WY3RKWTTYO3MBGKIF2YEU3CT |
| 15-01 | 2006 | Safe Hat | 30 chr EAM OC2Q32 QXRTVBNGJNEERVDQEKZRPJYC |
| 15-01 | 2010 | Safe Hat | 30 chr EAM OCX2UU OSI4A2UVBJOILJ4NOIUS3AQO |
| 15-01 | 2232 | Safe Hat | 30 chr EAM OCDVD7 FM2GBRSWOMSTTRFKXOV6R532 |
| 16-01 | 0216 | Milkweed | 30 chr EAM OCCW3N 2WAKPHD3UBMDTD7JWWHIOJVE |
| 16-01 | 1337 | Milkweed | 30 chr EAM OCKQX6 OWV3AFAIFFDVE6QEY3EG6KO4 |
| 16-01 | 1605 | Milkweed | 30 chr EAM OCIGQC BGWNHOKZSPB62KO6P2O4SPUR |
| 16-01 | 1615 | Milkweed | 30 chr EAM OCNIBR QZ2R62WT3VDYAATGWIATSL6D |
| 16-01 | 1744 | Milkweed | 63 chr EAM P5743W 3EBVGM6VJXHVS5BRDDSDRDQNO27H3Q3MNV4O22EK52RZX74O22IAEFPJDD |
| 16-01 | 1801 | Milkweed | 63 chr EAM P5743W 3EBVGM6VJXHVS5BRDDSDRDQNO27H3Q3MNV4O22EK52RZX74O22IAEFPJDD |
| 16-01 | 1812 | Milkweed | 30 chr EAM for Extra Money P5S3CI V2ZFDI3GYBDHCBMULOAEOLDT |
| 16-01 | 1847 | Milkweed | 30 chr EAM OC7ILI MXMWQ4OODQOQJDCUUT542UL |
| 16-01 | 1851 | Milkweed | 30 chr EAM OCQNB YJER357ZOF346VOSQWJA7KQTP |
| 16-01 | 1854 | Milkweed | 30 chr EAM OCQNB YJER357ZOF346VOSQWJA7KQTP |
| 16-01 | 1857 | Milkweed | 30 chr EAM OCRYH5 QYO5V7KOQEYBYJJVK4XFKHEW |
| 16-01 | 1900 | Milkweed | 30 chr EAM P5743W 3EBVGM6VJXHVS5BRDDSDRDQNO27H3Q3MNV4O22EK52RZX74O22IAEFPJDD |
| 16-01 | 1925 | Milkweed | 30 chr EAM for ??? P5JEK4 I5V5W6EBI7IRK226XESIR5UE |
| 16-01 | 1937 | Milkweed | 30 chr EAM OCBE3R DRI3CAIY24YEJN6BTW5JFNWR |
| 16-01 | 1946 | Milkweed | 30 chr EAM OCY6JD 7EZWS7AGGCM4A5F7RA6HPWIK |
| 16-01 | 2000 | Milkweed | 30 chr EAM OCY6JD 7EZWS7AGGCM4A5F7RA6HPWIK |
| 16-01 | 2002 | Milkweed | 30 chr EAM OCBE3R DRI3CAIY24YEJN6BTW5JFNWR |
| 16-01 | 2103 | Milkweed | 30 chr EAM for Alive P5XTEK LY3TKOI7IJLQV633N6BIFU7P |
| 16-01 | 2118 | Milkweed | 30 chr EAM OCGNRU UENDG2YRRYSMBTCLHAVA ZKKX |
| 16-01 | 2146 | Milkweed | 30 chr EAM OC66KI WRLT54ZDDQF56FFPFL5JWQT7 |
| 17-01 | 0638 | Fullback | 30 chr EAM OC6ZAD JYVDG2OENG53YNRAVURVG2ZU |
| 17-01 | 0650 | Fullback | 30 chr EAM OCTYZC HJYFTG6DCLBUPLN6CLC6NFRK |
| 17-01 | 0703 | Fullback | 30 chr EAM OCY24E RAFJUFY26YNXOC2OOU DJR6A2 |
| 17-01 | 0706 | Fullback | 30 chr EAM OCJDKT TBA22XQA2WVFZ2Y2PVOAQT4Y |
| 17-01 | 1603 | Fullback | 47 chr EAM P5OBIK H2IYG2X5CJOW2PI5LKXA55RJG6EJMNWX3DZ3PWBL |
| 17-01 | 1617 | Fullback | 30 chr EAM P5Q5VA BBSADJRK7KV546WVR5JFAKVF |
| 17-01 | 2345 | Fullback | 30 chr EAM OCX5YS HJHBPZTEETNYBG577LV2QHWP |
| 18-01 | 0015 | Appraiser | 30 chr EAM OC5DVC D5JWXBIAUUVYYENBBK7R2I3C |

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| 18-01 | 0116 | Appraiser | 30 chr EAM OCWYCA AYIENVNCDKLPLXUZJMSGVZUO |
| 18-01 | 0636 | Appraiser | 30 chr EAM OCKKWC DWITVGLF7S4N5O4XMMQUJ6AP |
| 18-01 | 0639 | Appraiser | 30 chr EAM OCXVTA 4X4DBSHWXZWMU6UFAP6D3AHP |
| 18-01 | 0652 | Appraiser | 30 chr EAM OCF6JT 3ECAAWFPPEZSG2A6E2VIESHP |
| 18-01 | 0655 | Appraiser | 30 chr EAM OC464O PPF5RUJ3EAXIP6VLAT2UBATK |
| 18-01 | 1516 | Appraiser | 30 chr EAM OCZ7CK P7POBHQYEDHTR7UCZB4YIGLM |
| 18-01 | 1543 | Appraiser | 30 chr EAM OCHOB7 3NUKCRQXYFSNEQZ2IG3NVCTO |
| 18-01 | 2226 | Appraiser | 30 chr EAM OCTZXZ TQKYA6BECZDMKIUDIS7QKFCZ |
| 18-01 | 2230 | Appraiser | 30 chr EAM OCFTHB GQAWT3BRD7UTZXV7YB7IYBEA |
| 18-01 | 2245 | Appraiser | 30 chr EAM OC6OKB Y4UZ4GEA5MRIWTARN3ZPFDJR |
| 18-01 | 2248 | Appraiser | 30 chr EAM OCZJPP XCLSSMMSFDXTJOM4JHEHQZKS |
| 18-01 | 2251 | Appraiser | 30 chr EAM OCODZE W7AAFUJDN62BENFYV7G2LDQ7 |
| 18-01 | 2254 | Appraiser | 30 chr EAM OCHHMG JJWDCU7Y6KYBM7SNFRWSDU4K |
| 18-01 | 2316 | Appraiser | 30 chr EAM 6XGREO TFTBGNFFCJBBA63K4KPDWAT |
| 18-01 | 2320 | Appraiser | 30 chr EAM 6XGREO TFTBGNFFCJBBA63K4KPDWAT |
| 19-01 | 1733 | Clean Cut | 30 chr EAM 6XZMKV RG4HIRT6WQIMQQOOR2OGTU2M |
| 19-01 | 2148 | Clean Cut | 30 chr EAM for Papa-10? P5STTN KHFA7G3FLAX43WUDZMKYHJX7 |
| 19-01 | 2151 | Clean Cut | 30 chr EAM for Papa-10? P5STTN KHFA7G3FLAX43WUDZMKYHJX7 |
| 19-01 | 2232 | Clean Cut | 30 chr EAM 6X3RFA PGMEULPQU3GBGZLYRORVYSJQ |
| 19-01 | 2315 | Clean Cut | 30 chr EAM 6XHWFW 2TKUIHVQIDRXUOESA7GAWHYK |
| 19-01 | 2318 | Clean Cut | 30 chr EAM 6XGLDG L7ZPIK7WST7TRM6AL7QKDV2S |
| 19-01 | 2323 | Clean Cut | 30 chr EAM 6XKF2N TC2HOQOKVZPZSKUB2TBWSYU3 |
| 20-01 | 0308 | ??? | Skyking message: Kiss Time 08 Auth FD |
| 20-01 | 1445 | Studious | 30 chr EAM 6XPJ6H ZDSVZORVTHS4AMVPU674TQJ |
| 20-01 | 1454 | Studious | 30 chr EAM 6XIMVK RYTPBZ3Y4ZUEFXC2G2ESQA36 |
| 20-01 | 1458 | Studious | 30 chr EAM 6XPJ6H ZDSVZORVTHS4AMVPU674TQJ |
| 20-01 | 1510 | Studious | 30 chr EAM 6X6QHD QZU72YNN23XLJ4ZPT7CUMG6S |
| 20-01 | 1513 | Studious | 30 chr EAM 6XENEK D5JJDVA46RLPDP4VW2FNYWG2 |
| 20-01 | 1747 | Studious | 30 chr EAM for Drum-17 P54UFB 5XIFFL242W0EHZYILVKH3WPP |
| 20-01 | 1819 | Studious | 30 chr EAM 6XVGGJ P3CYCFGWRQJSJNSOBZIORQL2Z |
| 20-01 | 2113 | Studious | 40 chr EAM P5DJYT ONV33GXPSNQ6U62Q35ZL2QWC627MHJNMY |
| 20-01 | 2118 | Studious | 40 chr EAM P5DJYT ONV33GXPSNQ6U62Q35ZL2QWC627MHJNMY |
| 20-01 | 2135 | Studious | 30 chr EAM 6XAE03 FWNEWAJHIGNNTOB34BAOWQZD |
| 20-01 | 2139 | Studious | 30 chr EAM 6XBLWI X5FJPLBLQ46YVWOJB2XL6FD |
| 20-01 | 2302 | Studious | 36 chr EAM P57AFA G52ODWQPTLONNRTA2DWCG5LG56BOK |
| 21-01 | 0044 | ??? | Skyking message: Quinn Time 44 Auth VK |
| 21-01 | 1704 | Test Cup | 30 chr EAM 6XDYQG TQPKLTT634ZXI2YUJBWLSGIJ |
| 21-01 | 1707 | Test Cup | 36 chr EAM P5EJT4 XSBBVDILRQ77P36PH5RBHGYK7VCKVR |
| 21-01 | 1725 | Test Cup | 30 chr EAM 6X5X6P CTXUNYPWLBALLHTGBABV5Y6C |
| 21-01 | 1725 | Test Cup | 30 chr EAM 6XR2BV YXLB7LPSDNRQ4BAOOIRUN4EO |
| 21-01 | 1837 | Test Cup | 54 chr EAM GLXSAO L2I6HRPAQTFPKJ3ZDRCBQSR7BASVUPUPKDMIIIA6AI2SNPM |
| 21-01 | 2046 | Test Cup | 30 chr EAM 6XZWH3 Z4Y42GK45D6DQCTZ4JLPB3FM |
| 21-01 | 2056 | Test Cup | 30 chr EAM 6XIEZU I2V5S36TAQDYRK5BHB2DJXIN |
| 21-01 | 2306 | Test Cup | 30 chr EAM 6X5A7F 4ZPO6FFX772FUP6GKECBF5H6 |
| 21-01 | 2317 | Test Cup | 30 chr EAM 6XWU73 4N65N5FLVD6IXWB4BECNHZXP |
| 21-01 | 2334 | Test Cup | 30 chr EAM 6XDOCX N7QVNC3SKJICAGSHQDQAEN6X |
| 21-01 | 2336 | Test Cup | 30 chr EAM 6XGQPA WE7EHCUC6EMQFQ2J2SAQWT3S |
| 21-01 | 2340 | Test Cup | 30 chr EAM 6XGTR2 NYNT27AXLIN4KKPR4HIA6SJH |
| 21-01 | 2342 | Test Hop | 30 chr EAM 6XOTDA LP4TTRSRE7QK33X5VEMTJ5V7 |
| 22-01 | 2240 | Pretender | 30 chr EAM 6XTAC7 F5NDS4RI7WV4GZMK6JWFN44X |
| 22-01 | 2253 | Pretender | 30 chr EAM 6X6AQV KWDUCZNLBJY7T4SFTJBGDAFN |
| 22-01 | 2302 | Pretender | 30 chr EAM 6X5WU3 3V7W2DYNUIIZPWU4DHLXC2JB |
| 22-01 | 2304 | Pretender | 30 chr EAM 6XYC3M IBSSKVQ4Z6BZ6TYPZOVEVQPK |
| 22-01 | 2313 | Pretender | 30 chr EAM 6X4VH6 RJWFT3X7SP5VBN3SRJX62JIG |
| 22-01 | 2320 | Pretender | 30 chr EAM 6X6YA7 35Q35H7IK2JYCEKI6PR7ICVT |
| 23-01 | 0118 | Belly Flop | 30 chr EAM 6XSMDD R2WXVI43RMFVDMFTRTRSACG5 |
| 23-01 | 0747 | Belly Flop | 30 chr EAM 6XOFMU 7DGU3LAXTPLZ54RUTOF6OVJC |
| 23-01 | 0750 | Belly Flop | 30 chr EAM 6XFRL2 Z2XGJ5HFB72H6GSORX5C4A7K |
| 23-01 | 1808 | Belly Flop | 30 chr EAM 6XQRR4 OPRLMR7OAFGSL35BTTQD7GAV |
| 23-01 | 1811 | Belly Flop | 30 chr EAM 6XZS4S BH6A6SKNYC6EBRUHZCUC2OAE |
| 23-01 | 1838 | Belly Flop | 30 chr EAM 6X24W7 VOYFLC6V6JV4TATEKCUXGZ3O |
| 23-01 | 1841 | Belly Flop | 30 chr EAM 6XMVQ3 ILUIE6H4YX2RUETYDKH2J4C7 |

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| 23-01 | 1844 | Belly Flop | 30 chr EAM 6XCVLE L5PYJWC6GCZ4TQ3BN6RQN3PF |
| 23-01 | 1853 | Belly Flop | 30 chr EAM 6XHIZY B7OWTD5SPOFVBRA2D3MSWG2E |
| 23-01 | 1858 | Belly Flop | 30 chr EAM 6XKBHY KOOJKJTB5H5CX5XV3HO4NLHR |
| 23-01 | 1901 | Belly Flop | 30 chr EAM 6XHIZY B7OWTD5SPOFVBRA2D3MSWG2E |
| 23-01 | 1904 | Belly Flop | 30 chr EAM 6XCVLE L5PYJWC6GCZ4TQ3BN6RQN3PF |
| 23-01 | 1906 | Belly Flop | 30 chr EAM 6XMOVQ3 ILUIE6H4YX2RUETYDKH2J4C7 |
| 23-01 | 1912 | Belly Flop | 30 chr EAM 6XUNNY JCDC3JIU3RR6DLGUDGSHCIBQ |
| 24-01 | 0659 | Split End | 30 chr EAM 6X25JI YWJRPACCP6YSHVFS4CWDZCX6 |
| 24-01 | 0709 | Split End | 30 chr EAM 6XL5JG 7JFHUZRLMJAEYTVS2EIJNAKQ |
| 24-01 | 0719 | Split End | 30 chr EAM 6XC77O 6V3QHKND3CU4FMAEKRGVNOXM |
| 24-01 | 0721 | Split End | 30 chr EAM 6XN4O6 E364SSSHKRDFYDQ7NPTSUFX6 |
| 24-01 | 0731 | Split End | 30 chr EAM 6XN4O6 E364SSSHKRDFYDQ7NPTSUFX6 |
| 24-01 | 0733 | Split End | 30 chr EAM 6XC77O 6V3QHKND3CU4FMAEKRGVNOXM |
| 24-01 | 0735 | Split End | 30 chr EAM 6XL5JG 7JFHUZRLMJAEYTVS2EIJNAKQ |
| 24-01 | 1608 | Split End | 52 chr EAM P5LNKV BWAEPJ4MR4ZY5Z3FNRYFHV3CKPG2Z3FSRHXNLNLERDQNA |
| 24-01 | 1622 | Split End | 30 chr EAM P5POA6 XTQU6PXXNZET3XQXVQ3ZYOMW |
| 24-01 | 1639 | Split End | 30 chr EAM 6X623Z G4B36GR623OKZ57ABS23BYPD |
| 24-01 | 1642 | Split End | 30 chr EAM 6XMUX7 RVCKZWZYND3GZXTGKROL3SG6 |
| 24-01 | 1653 | Split End | 30 chr EAM P52YVN LFWJZGWIO34ZQHU7O2HB4EQA |
| 24-01 | 1657 | Split End | 30 chr EAM 6XS5NU 4MCLEEMFKQNEZ434HYDRJ7K6 |
| 24-01 | 1907 | Split End | 30 chr EAM for Darren-40 P5MPUO VBJ7DNIBXHCFTUQ4QXDZ2DBZ |
| 24-01 | 1917 | Split End | 30 chr EAM 6X7ENC NXIL7JHBVUBLCRLROVXUA32 |
| 24-01 | 1923 | Split End | 30 chr EAM P5MPUO VBJ7DNIBXHCFTUQ4QXDZ2DBZ |
| 24-01 | 1925 | Split End | 30 chr EAM 6XS132 5SOHPNJ3VAOVLRLKUMKHFF2WG |
| 24-01 | 1935 | Split End | 30 chr EAM for Darren-40 P5MPUO VBJ7DNIBXHCFTUQ4QXDZ2DBZ |
| 24-01 | 1940 | Split End | 30 chr EAM 6XO3VP BZA5DEYWOLGARUP4UBI3LPR6 |
| 24-01 | 2122 | Split End | 30 chr EAM 6XGDHE 5BSKCNEK2SXWQEEUSAYPRUZ7 |
| 25-01 | 0014 | Road Dust | 30 chr EAM 6X54PV Q6RXT7XULHQH7LJMAMZR7CSQ |
| 25-01 | 0017 | Road Dust | 30 chr EAM 6XK5EH MKHJX44QGZTAFD4YQM7JINKB |
| 25-01 | 0120 | Road Dust | 76 chr EAM 4PVS6X IITPQUP- POA6ZFTQ3OQPO3IOOU32TQSIV2DLF37O3GLUHY5342MEGJGHGCGYYYY4RLUDHNPN |
| 25-01 | 0745 | Road Dust | 30 chr EAM 6XDQF2 OROG472NQUHI5FA2PEOKJQLC |
| 25-01 | 0750 | Road Dust | 30 chr EAM 6XPLU4 RVKFCZF4YOJFXBU4ISNRSFZT |
| 25-01 | 0804 | Road Dust | 30 chr EAM 6XU67F 7QI7IFOA7TGASYL35PGXVSEA |
| 25-01 | 0808 | Road Dust | 30 chr EAM 6XHGGJ 7LV7ATFYVX4XB57N22TI3XUY |
| 25-01 | 0811 | Road Dust | 30 chr EAM 6XAJVH NUNKDGLKHN37LBKBA6EHOK5 |
| 25-01 | 0819 | Road Dust | 30 chr EAM 6XEIBH 2UG7H37RVZLCIXSB65KBL6QI |
| 25-01 | 1456 | Road Dust | 76 chr EAM 4PDYTY XCSNJZGN6WXIP2T7GFQKJIIGCUAVSLLHSHKYRRRRDP7ZCAEL2LKTDPXGBVGNQ44K2S7JPUT |
| 25-01 | 1505 | Road Dust | 30 chr EAM 6XOCJT KINAZIEAON7YTDHAF24RJZV5 |
| 25-01 | 1543 | Road Dust | 30 chr EAM 6XYSBB XWLBNIH3JTSI33OBIMDIWO7F |
| 25-01 | 1817 | Road Dust | 30 chr EAM for Ancient P5D3N2 S6LWUOAPUYJR4TY45LG4NFBS |
| 25-01 | 1832 | Road Dust | 30 chr EAM for Ancient P5JXTY 6PQ3GJIQOCP4CVTSHFYP2Z4P |
| 25-01 | 2223 | Road Dust | 30 chr EAM 6XTEC2 FA4YWIQIV7GWLWWT3XNP7XZB |
| 25-01 | 2226 | Road Dust | 30 chr EAM 6X6IKF GZAV4LGXBV4SZRPHUOOTG6CV |
| 25-01 | 2235 | Road Dust | 30 chr EAM 6XOKCY 766S6SUXXQKDHU47NEYFSIE4 |
| 25-01 | 2242 | Road Dust | 30 chr EAM 6XSW74 EGS5PZKNG42VHYR6Z6W53ZOV |
| 25-01 | 2258 | Road Dust | 30 chr EAM 6XKM6D IHYN7HA3EDLSVXMMVMG3AH4NI |
| 25-01 | 2337 | Road Dust | 30 chr EAM 6X3BH6 2XUTX6X4PSUCF4ZMTTYRGI6B |
| 28-01 | 0213 | Radiation | 30 chr EAM 6XZPLU NCN4GO5DJRYXOWN5YOQZENIX |
| 28-01 | 0727 | Radiation | 30 chr EAM 6XXG5V Y5NLY3GDCSYNEROBECXZWL2J |
| 28-01 | 0738 | Radiation | 30 chr EAM 6XMKTT ARAZXRY4J4EULLT4WK2PEIO4 |
| 28-01 | 0741 | Radiation | 30 chr EAM 6XXG5V Y5NLY3GDCSYNEROBECXZWL2J |
| 28-01 | 0743 | Radiation | 30 chr EAM 6XRXPY SK7GEQL7E5JI2VTIYPBW72QV (disregarded) |
| 28-01 | 1102 | Radiation | 30 chr EAM 6XDT4C FEYGTNSMZTCYWQIXLAAQAJ3P |
| 28-01 | 1105 | Radiation | 30 chr EAM 6X5ZTL YGIF7XIQLKXWVB6KS3L5FJ4Y |
| 28-01 | 1330 | Radiation | 30 chr EAM R72VMX LF3AESW4ZH2UEIQJFMY2ZLAB |
| 28-01 | 1742 | Radiation | 30 chr EAM R74LK6 GXBRJMQ33OHZQNIEMSVE6SUQ |
| 28-01 | 1745 | Radiation | 30 chr EAM R7Q3UT K6ZG233QJEN3ROSBXGYGTSWF |
| 29-01 | 0615 | Sell Out | 30 chr EAM R7QZD2 KGCAC37DV6HDASRS4GNI6QVJ |
| 29-01 | 1543 | Sell Out | 30 chr EAM P5Q2K7 LE442PBOJCLL72K24JQMSFQD |
| 29-01 | 1624 | Sell Out | 36 chr EAM P53HWF ULJBH5ZXYH7JMNVDY2SXM7MX5TM7ZEF |

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| 29-01 | 1717 | Sell Out | 43 chr EAM P5IUO6 KMEQ2VUFZ7JGSUOHVT4Z7WASUVLZJYBUIKJ7Q |
| 29-01 | 1723 | Sell Out | 36 chr EAM P5NZM3 GB5JZCL3ZRJT3K3WSAYEONS |
| 29-01 | 1744 | Sell Out | 52 chr EAM P55NHK TPL3AOQG6OXSBUYO2CQ2V4F7OEI2C7GI23DOTW4AYJK2VM |
| 29-01 | 1832 | Sell Out | 30 chr EAM R74I62 4HBXUDG4WEZ7QD63QPACB4EG |
| 29-01 | 2213 | Sell Out | 30 chr EAM for Region Charlie P5YFLD NNRYHMKGJE2TID6PTLNNBJUV |
| 30-01 | 0153 | Show Boat | 30 chr EAM R7XX4I 4IDIBRIM2KGZH6HKDHZCJIOG (disregarded) |
| 30-01 | 0157 | Tentacle | 30 chr EAM R7XX4I 4IDIBRIM2KGZH6HKDHZCJIOG |
| 30-01 | 0236 | Tentacle | 30 chr EAM R7WSSA L2SHFP6ZO4WRBY6KURLB2TZU |
| 30-01 | 1434 | Tentacle | 30 chr EAM R7CQLD SKAWHBI DALRKQFIHU33G5CWE |
| 30-01 | 1437 | Tentacle | 30 chr EAM R7VYQ2 A3NYC435D5TCJNT6EHFTSWRB |
| 30-01 | 1440 | Tentacle | 30 chr EAM R7MHCB 5IPFGBE33ASPEODJRWCODYV |
| 30-01 | 1454 | Tentacle | 30 chr EAM R7PYGF ARWQICJRVUQT3HMD7XJLBD4H |
| 30-01 | 1457 | Tentacle | 30 chr EAM R7CLYD GBJBIBECW5SLTMHRONQFX3ZH |
| 30-01 | 1500 | Tentacle | 30 chr EAM R7CLYD GBJBIBECW5SLTMHRONQFX3ZH |
| 30-01 | 1502 | Tentacle | 30 chr EAM R7PYGF ARWQICJRVUQT3HMD7XJLBD4H |
| 30-01 | 1505 | Tentacle | 30 chr EAM R7VYQ2 A3NYC435D5TCJNT6EHFTSWRB |
| 30-01 | 2049 | Tentacle | 30 chr EAM R7QG6P 37PA4Q2AVBRIV2VYTLVFP4US |
| 30-01 | 2308 | Tentacle | 30 chr EAM R7EVIE JQE5IKZIR3Q46TXOOXR7GW43 |
| 30-01 | 2318 | Tentacle | 30 chr EAM R76ALW P2YINK6PRR3DGGM7C3XRU25W |
| 30-01 | 2321 | Tentacle | 30 chr EAM R7DQFB FFSYUSGPC4KKKFLBRX2E45OV |
| 30-01 | 2324 | Tentacle | 30 chr EAM R7ZECN 7FEXANIU7CRH6GWT2IAYDU7I |
| 30-01 | 2347 | Tentacle | 30 chr EAM R7ND66 XJNXNVXUIKXC7IAMRMTGRYVW |
| 30-01 | 2350 | Tentacle | 30 chr EAM R7UHKU LSZIB2QWLWS4Q7LUF AATHCJE |
| 31-01 | 0221 | Moderator | 30 chr EAM P5M5WU ETV2NXWLCYBMIAPUDGPAX4RM |
| 31-01 | 0227 | Moderator | 30 chr EAM R7AGIZ L734MICS6CGBBXCUEAPGFH7L |
| 31-01 | 1119 | Moderator | 30 chr EAM for Triple Play P5JM2R VYR4WA474AWD2XIIXUBRX2M6 |
| 31-01 | 1133 | Moderator | 30 chr EAM for Triple Play P5X6C5 BUKMM5JBRQCPGDT537F66N73 |
| 31-01 | 1255 | Moderator | 30 chr EAM for Triple Play P5IL7G RYVVR5FZT6V527TJJWAQY3UY |
| 31-01 | 1307 | Moderator | 30 chr EAM for Rifle P5CWZG IQPUBH67QUXZMMKTR7SWZOL6 |
| 31-01 | 1326 | Moderator | 30 chr EAM for Rifle P5TUGY LTTJQBC5MSM4GPVYS4MJY2PC |
| 31-01 | 1629 | Moderator | 30 chr EAM R7QETN Y745FCVCWFQGCQPHM3NC4L7Q |
| 31-01 | 1640 | Moderator | 30 chr EAM R7XIDL YTG5ALLOUF6UENIUAA6YFNPV |
| 31-01 | 1642 | Moderator | 30 chr EAM R74BVY UE7R7BFJJUCD3AGN3RH7DCTJ |
| 31-01 | 1701 | Moderator | 30 chr EAM R74BVY UE7R7BFJJUCD3AGN3RH7DCTJ |
| 31-01 | 1703 | Moderator | 30 chr EAM R7XIDL YTG5ALLOUF6UENIUAA6YFNPV |
| 31-01 | 1705 | Moderator | 30 chr EAM R7QETN Y745FCVCWFQGCQPHM3NC4L7Q |
| 31-01 | 1714 | Moderator | 30 chr EAM R7UR3E 3PARGFQ4MIOEIZ6JSPYBXD3T |
| 31-01 | 1717 | Moderator | 30 chr EAM R7USP6 637A2N4FGRCHHLHJEVF4SDUP |
| 31-01 | 1817 | Moderator | 30 chr EAM for Tratch-82 P5G7YI LMCMLGEFKNQM7I7TDQ5E3JVN |
| 31-01 | 1848 | Moderator | 30 chr EAM R7FF2C P5X5NFVRQNJTNQCQ5BU4YECQ |
| 31-01 | 1909 | Moderator | 30 chr EAM R7A2HU 3UJP2BPPV4JDWQGPJML2NXKO |
| 31-01 | 1924 | Moderator | 30 chr EAM R7ZAEC NB2NEHUWYOQP5KZQMIQL2JGB |
| 31-01 | 2222 | Moderator | 30 chr EAM R7LTDB RJ2X2PX2TUFLZ3DCMKDC7SPY |

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted, by AB, JU, F5JBR, JPL. WP3, Tom

Strategic messages

| | |
|---------------------------|---|
| 7678 kHz, 0401, 1125 UTC | XXX XXX MFT5 MFT5 55003 EKIDOPUSK 0020 0842 |
| 7678 kHz, 0401, 1131 UTC | XXX XXX MFT5 MFT5 79990 EKOKOKIJ 4415 6530 |
| 7678 kHz, 0401, 1146 UTC | XXX XXX MFT5 MFT5 16149 WODOZUB 6639 0153 LAePOFETR 1408 2703 |
| 7678 kHz, 0401, 1152 UTC | XXX XXX MFT5 MFT5 72983 GRIBOBOK 9703 3867 RAZLIWANNYJ 9878 3794 |
| 7678 kHz, 0401, 1200 UTC | XXX XXX MFT5 MFT5 72983 ISTOQENNYJ 4804 1268 PEWOeESKIJ 6522 7379 |
| 7678 kHz, 0401, 1209 UTC | XXX XXX MFT5 MFT5 99180 GOLXE 9922 1205 |
| 7678 kHz, 0401, 1217 UTC | XXX XXX MFT5 MFT5 99180 GAGARINSKIJ 4759 6958 KLINOPYV 0707 0078 |
| 7678 kHz, 0401, 1223 UTC | XXX XXX MFT5 MFT5 8.291 DONORSKIJ 1889 4417 BUDDIZM 4066 1537 |
| 7678 kHz, 26-01, 0809 UTC | XXX XXX MFT5 MFT5 47425 GOLOMORFNYJ 2612 9165 |
| 7678 kHz, 26-01, 0838 UTC | XXX XXX MFT5 MFT5 37339 DWOEWLASXE 3320 3083 |
| 7678 kHz, 26-01, 0847 UTC | XXX XXX BNS1 BNS1 7UGL 7UGL 1QRF 1QRF 9TIC 9TIC MIRABELOWYJ 1821 7832 |
| 7678 kHz, 26-01, 0851 UTC | XXX XXX MFT5 MFT5 36825 BOBROVREC 8388 6330 |
| 7678 kHz, 26-01, 0859 UTC | XXX XXX MFT5 MFT5 24606 MEDOHLOP 4036 1833 |
| 7678 kHz, 26-01, 0908 UTC | XXX XXX MFT5 MFT5 02978 PUDORUAN 4804 1260 |
| 7678 kHz, 26-01, 0917 UTC | XXX XXX MFT5 MFT5 00286 MIGOPRYQ 9643 3970 |

Monolith Stations

9250 kHz, 23-01, 0841 UTC

Buzzer channel marker. Harmonic of 4625 kHz

M32 - Russian / CIS Military CW Stations

12152 kHz, 03-01, 0807 UTC, i.p.

...89 48985 00167 99051 53138 04091 19510 30759 95590 60495
25494 79332 65080 42913 81860 56165 94415 90204 13059 86161
90556 03029 K
RK
= 0016 EEEEE RPT AL = 00167 K
= 94415 K
= 90304 K
RK
RK
IVGW DE 6YNJ K
RPT K
= 25890 01815 84656 44584 K
RK
RK
RPT K
6YNJ K
6F EEEEE RPT AL 6YNJ QRV K
6YNJ 821 27 3 1110 821 = 659 =
66368 29128 85611 38958 92303 45649 98995 52341 11963 65309
21793 81414 31623 84968 41453 94798 48144 10905 61812 14458
67804 21150 74495 27842 78049 03025 QTC K
6YNJ
864 22 3 1114 864 = 659 =
37184 87391 47014 12912 63119 13328 06673 20019 73365 23573
76918 33403 86748 40094 93440 43648 96994 47202 13100 63308
03020 K
6YNJ K
6YNJ K
6YNJ K
6YNJ K

6YNJ K
6G5A 6G5A 6G5A QTC AR
6G5A 6G5A 6G5A 08723 31135 087 = 864 =
11111 17281 25890 01815 84656 44584 97612 86032 72089 48985
16240 00167 99051 53138 04091 19510 30759 95590 60495 25494
79332 03021 K

2793 kHz, 20-01, 0822 UTC. ZMKL weather reports

20110 32835 89458 61401 11222 61022 86500 910XX
20110 42656 86960 20000 11280 82020
20110 23744 91358 81804 11098 77172 8802X 905XX 20022 K

You can see from the temperature groups.

| | |
|---|--|
| 20110 32835 89458 61401 11222 61022 86500 910XX | Station 32835 11222 (Minus 22.2 degrees) |
| 20110 42656 86960 20000 11280 82020 | Station 42656 11280 (Minus 28.0 degrees) |
| 20110 23744 91358 81804 11098 77172 | Station 23744 11098 (Minus 9.8 degrees) |

7678 kHz, 26-01, 0815 UTC

3NTF 3NTF 3NTF QTC AR
3NTF 3NTF 3NTF
213 27 26 1105 213 = ZVK 506 =
24077 51027 43144 57404 34401 31102 31068 88264 78533 25403
34327 78863 38883 32345 64745 37167 75067 87771 08530 70688
81046 85764 06174 26023 506
QLN K

4725 kHz, 28-01, 0603 UTC

YRFA DE QHM3 K
QSI3 K
NI1E DE QHM3 K
TKKC DE QHM3 K
CGD8 DE QHM3 K
QSA4? K RK
QSA4? K RK
FEB6 DE QHM3 K
QHM3 K
8LPV DE QHM3 K
8LPV DE QHM3 K
4C DE QHM3 K

7984 kHz, 30-01, 1030 UTC

837 837 837 99391 99391
837 837 837 99391 99391

7984 kHz, 30-01, 1042 UTC

928 928 928 928 94653 94653
928 928 928 928 928 928 94653 94653 94653
928 928 928 928 928 928 94653 94653 94653
928 928 928 94653 94653
928 928 928 928 94653 94653 94653

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

5916 kHz, 20-01, 0944 UTC

RCV Russian Black Sea Fleet HQ, Sevastopol wkg RIC87

5851 kHz, 20-01, 1030 UTC

RIT Russian Northern Fleet HQ, Severomorsk msg for RLO

QTC SML FOR RADIOPROGNOZ 20019 63004 40000 00001 01218 40010 00002 01218 40021 00005 01218 60016 00006 01218 60005 0010 ...

3254 kHz, 25-01, 1914 UTC, i.p.

RCC DE RLP69 Q.. K

RCC QST ZAN ZBW K

RLP69 OK QST K

VVV RJ160 DE RCC QSA ? K

RCC DE RJ160 QSA 1 K

RCC QST ZAN ZBW K

RJ160 OK QST K

RCC R K

M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)

8816 kHz, 10-01, 1226 UTC

RJC38 RJF94 DE 75445 QTR 1223 QTH 17200 17128 QBD 0500 K

QTR 1330 QTH 16815 15524 QBG 250 K

QQM XLAA 1450 K

8816 kHz, 10-01, 1340 UTC

75445 DE RJF94 QAL XLAA ORD RCRG K

8816 kHz, 10-01, 1413 UTC

75445 DE RJF94 QAL XLAA ORD RCRG K

8816 kHz, 17-01, 0719 UTC

RJC38 RJF94 DE 75445 QQL ULWC 0715 QBG 7600 QBD 0600 K

QQL XUOW 0830 QBG 8200 K

8816 kHz, 17-01, 1346 UTC

RJC38 RJF94 DE 26386 QTO 1336 QRD XLWF XWWS QRE 1635 QBD 0530 K

QTH 15528 14409 QTR 1442 QBG 5500 K

QTH 15723 15939 QTR 1538 QBG 5500 K

8816 kHz, 17-01, 0926 UTC

RJC38 RJF94 DE 26386 QTO 0920 QRD XWWS XUMO QRE 1130 QBD 0530 K

QTH 15516 14400 QTR 1023 QBG 5800 K

QQM XWWS 1121 SK

8816 kHz, 24-01, 0620 UTC

RJC38 RJF94 DE 26385 QTO 0608 QRD XUDS XLWF QRE 0800 QBD 0530 K

QTH 15702 14014 QTR 0647 QBG 5200 QBD 0430 QRE XUDS 0745 K

QQM XUDS 0741 SK

8816 kHz, 24-01, 0731 UTC

RJC38 RJF94 DE 12223 QTO XSSS QTR 0720 QRD XUDS QRE 0900 QBD 0600 K

QTR 0810 QTH 5607 05335 QAH 220 QBD 0510 K

QTR 0915 QAL XUDS QBD 0400 K

8816 kHz, 24-01, 1023 UTC

RJC38 RJF94 DE 26385 QTO 1014 QRD XLWF XUDS QRE 1200 QBD 0230 K
QTH 15720 14008 QTR 1115 QBG 5500 QBD 0130 QRE XLWF 1150 K
QQM XLWF 1154 SK

8816 kHz, 24-01, 1120 UTC

RJC38 RJF94 DE 12223 QTO XUDS QTR 1110 QRD XUMO QRE 1210 QBD 0600 K
QTR 1210 QAL XUMO QBD 0500 K

8816 kHz, 24-01, 1549 UTC

RJC38 RJF94 DE 26385 QTO 1540 QRD XLMD XLAA QRE 1730 QBD 0530 K
QTH 16617 13651 QTR 1634 QBG 5500 QBD 0430 QRE XLMD 1735 K

8816 kHz, 24-01, 1249 UTC

RJC38 RJF94 DE 26385 QTO 1237 QRD XLAA XLWF QRE 1430 QBD 0530 K
QTH 16132 13857 QTR 1330 QBG 5700 QBD 0430 QRE XLAA 1430 K
QQM XLAA 1438 SK

CONTRIBUTORS

| | | | |
|-----------|--|---------|---|
| AB | Ary Boender, Netherlands | HFD-QAT | Hans-Friedrich Dumrese via remote rx Qatar |
| AB-AUT | Ary Boender via remote rx Austria | HFD-RUS | Hans-Friedrich Dumrese via remote rx Russia |
| AB-CZE | Ary Boender via remote rx Czech Rep. | HFD-USA | Hans-Friedrich Dumrese via remote rx USA |
| AB-J | Ary Boender via remote rx Japan | HK | Hiroyuki Komatsubara, Japan |
| AB-NZL | Ary Boender via remote rx New Zealand | JPL | JPL, NB, Canada (and various remote rx) |
| AB-POL | Ary Boender via remote rx Poland | JPL-HK | JPL via remote rx Hong Kong |
| AB-QAT | Ary Boender via remote rx Qatar | JPL-J | JPL via remote rx Japan |
| AB-ROU | Ary Boender via remote rx Romania | JPL-KOR | JPL via remote rx South Korea |
| AB-RUS | Ary Boender via remote rx Russia | JPL-Sib | JPL via remote rx Siberia |
| AB-USA | Ary Boender via remote rx USA | JU | Jay Updike, W. Europe |
| AnEur | Anonymous Europe | Kalv | Kalvados |
| Avare | Avare, Russia | Kalv-J | Kalvados via remote rx Japan |
| BW3-D | Barry Williams via remote rx Germany | MDK2 | MDK2, USA |
| BW3-HOL | Barry Williams via remote rx Netherlands | MPJ | Jim, SW England |
| BW3-J | Barry Williams via remote rx Japan | MPJ-AUT | Jim via remote rx Austria |
| BW3-KOR | Barry Williams via remote rx South Korea | MPJ-CZE | Jim via remote rx Czech Rep. |
| CM2 | Chris Malboef | MPJ-HOL | Jim via remote rx Netherlands |
| CM2-USA | Chris Malboef via remote rx USA | MPJ-I | Jim via remote rx Italy |
| Dan | Daniel LU5EMM, Argentina | MPJ-RUS | Jim via remote rx Russia |
| Danix | Danix111, Poland | Nico | Nico, near Paris, France |
| Danix-USA | Danix via remote rx USA | NO | Nomadiq, CT, USA |
| DE | David Edger | Ret | Retops |
| Draco | Draco | RL | Roberto Landolpho, Brazil |
| ER | Ernie Rice, OH, USA | RR2 | Rich Ray, IL, USA |
| ETD | East Troy Don | SDX | Sat Dixer |
| F5JBR | F5JBR André, France | SP1 | Sylvain, France |
| F5JBR-J | F5JBR André via remote rx Japan | Token | T!, CA, USA |
| GB | Georgi Bancov, Bulgaria | Tom | Tom, Lincs, UK |
| GHn | Gary Hagermann, UK | W9SPY | Curt |
| HFD | Hans-Friedrich Dumrese, Germany | WP3 | Wolfgang Palmberger |
| HFD-I | Hans-Friedrich Dumrese via remote rx Italy | | |

LOGS SECTION

| Code | Freq | Date | UTC | Day | Details | Mode | Ctrb |
|------|--------|------|------|-----|---|----------------------|----------------|
| --- | 3098.8 | 2-1 | 1902 | Wed | North Korean Military i.p. VVV XK0 XK0 XK0 DE KZG KZG QSA 55 ? 3328 (x3) | CW | (JPL-Sib) |
| --- | 3547.8 | 2-1 | 1911 | Wed | North Korean Military i.p. VVV BM2 BM2 BM2 DE 5PT 5PT QRU 5670 5670 VA VA T T | CW | (JPL-Sib) |
| --- | 4182 | 7-1 | 1750 | Mon | Dash channel marker | USB | (AB) |
| --- | 4310 | 7-1 | 1750 | Mon | Goose channel marker | USB | (AB) |
| --- | 4921 | 12-1 | 0846 | Sat | North Korean military i.p. VVV XUV (x3) DE AB8 (x2) QRU 4221 4121 SK SK | CW | (JPL-Sib) |
| --- | 4356 | 12-1 | 0858 | Sat | North Korean military i.p. VV GTF GTF DE 8XHQ AR K NR 01W 10 = 46T64 32859 75065 23862 ... | CW | (JPL-Sib) |
| --- | 3332 | 18-1 | 2003 | Fri | Unid i.p. HYILD KTRMI HYILD KTRMI HYILD KTRMI UQDUU IWRPW ZDÜHU –IP–W = K | CW | (JPL-Sib) |
| --- | 3148.7 | 25-1 | 1855 | Fri | North Korean Military i.p. LV (x2) 7VH (x3) DE (x2) TT7 (x2) 5932 (x3) QTC | CW | (JPL-J) |
| CZE | 16342 | 26-1 | 1100 | Sat | Czech diplo i.p. Ended with #CRCOK# | Pactor-III | (AB) |
| CZE | 8175 | 27-1 | 1717 | Sun | O11A: Czech Intel. #EASY# in PACTOR-II followed by #DIR# in PACTOR-III | Pactor-II/Pactor-III | (Danix) |
| DPRK | 14750 | 3-1 | 0729 | Thu | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 10888 | 3-1 | 0730 | Thu | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 10339 | 14-1 | 1306 | Mon | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 11485 | 17-1 | 1206 | Thu | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 12110 | 17-1 | 1206 | Thu | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 18860 | 26-1 | 1009 | Sat | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 14412 | 26-1 | 1226 | Sat | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 12208 | 26-1 | 1230 | Sat | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| E06 | 16350 | 3-1 | 0600 | Thu | 139 780 52 17139 57131 83495 ... 34118 09773 07805 780 52 00000 | USB | (AB-RUS) |
| E06 | 4836 | 3-1 | 1930 | Thu | 321 199 42 56712 87190 57901 ... 02750 34584 03823 199 42 00000 | USB | (AB) |
| E06 | 13945 | 4-1 | 0600 | Fri | 139 780 52 17139 57131 83495 ... 34118 09773 07805 780 52 00000 | USB | (AB-RUS) |
| E06 | 16350 | 4-1 | 0700 | Fri | 139 780 52 17139 57131 83495 ... 34118 09773 07805 780 52 00000 | USB | (AB-RUS) |
| E06 | 4760 | 4-1 | 2130 | Fri | 472 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 0000 | USB | (AB/BW3-D) |
| E06 | 9349 | 14-1 | 0210 | Mon | 537 802 802 35 35 38214 46828 01711 ... 56844 05240 56787 802 802 35 35 00000 | USB | (HFD-J) |
| E06 | 13413 | 14-1 | 0310 | Mon | 537 802 802 35 35 38214 46828 01711 ... 56844 05240 56787 802 802 35 35 00000 | USB | (BW3-J/HFD) |
| E06 | 13945 | 17-1 | 0600 | Thu | 139 426 50 70210 47069 29212 ... 96890 87121 24905 426 50 00000 | USB | (AB-RUS/HFD-I) |
| E06 | 16350 | 17-1 | 0700 | Thu | 139 426 50 70210 47069 29212 ... 96890 87121 24905 426 50 00000 | USB | (AB-RUS/HFD-I) |
| E06 | 4836 | 17-1 | 2030 | Thu | 321 968 968 43 43 43057 32409 32495 ... 29384 88773 36125 968 968 43 43 00000 XP shutdown sound | USB | (MPJ) |
| E06 | 13945 | 18-1 | 0600 | Fri | 139 426 50 70210 47069 29212 ... 96890 87121 24905 426 50 00000 | USB | (AB-RUS) |
| E06 | 16350 | 18-1 | 0700 | Fri | 139 426 50 70210 47069 29212 ... 96890 87121 24905 426 50 00000 | USB | (AB-RUS) |
| E06 | 4760 | 18-1 | 2130 | Fri | 472 968 968 43 43 43057 32409 32495 ... 29384 88773 36125 968 968 43 43 00000 | USB | (AB) |
| E07 | 13523 | 1-1 | 1100 | Tue | 516 516 516 000 | USB | (AB) |
| E07 | 12123 | 1-1 | 1120 | Tue | 516 516 516 000 | USB | (AB) |
| E07 | 6963 | 2-1 | 1800 | Wed | 987 987 987 000 | USB | (AB) |
| E07 | 5863 | 2-1 | 1820 | Wed | 987 987 987 000 | USB | (AB) |
| E07 | 6776 | 2-1 | 2000 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ/HFD) |

| | | | | | | | |
|-----|-------|------|------|-----|---|-----|---------------|
| E07 | 5767 | 2-1 | 2020 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ/HFD) |
| E07 | 5067 | 2-1 | 2040 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/HFD) |
| E07 | 14472 | 4-1 | 0700 | Fri | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 14972 | 4-1 | 0720 | Fri | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 13523 | 4-1 | 1100 | Fri | 516 516 516 000 | USB | (AB/HFD) |
| E07 | 12123 | 4-1 | 1120 | Fri | 516 516 516 000 | USB | (AB/HFD) |
| E07 | 8123 | 5-1 | 0700 | Sat | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB/HFD) |
| E07 | 9323 | 5-1 | 0720 | Sat | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB/HFD) |
| E07 | 10423 | 5-1 | 0740 | Sat | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB/HFD) |
| E07 | 11593 | 5-1 | 1410 | Sat | 916 916 916 000 | USB | (HFD) |
| E07 | 10293 | 5-1 | 1430 | Sat | 916 916 916 000 | USB | (MPJ-HOL/HFD) |
| E07 | 8123 | 6-1 | 0700 | Sun | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB) |
| E07 | 9323 | 6-1 | 0720 | Sun | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB) |
| E07 | 10423 | 6-1 | 0740 | Sun | 134 134 134 1 755 55 755 55 57236 07078 94374 ... 81384 15298 36438 000 000 | USB | (AB) |
| E07 | 6963 | 6-1 | 1800 | Sun | 987 987 987 000 | USB | (AB/HFD) |
| E07 | 5863 | 6-1 | 1820 | Sun | 987 987 987 000 | USB | (AB/HFD) |
| E07 | 6776 | 7-1 | 2000 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB-AUT/MPJ) |
| E07 | 5767 | 7-1 | 2020 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5067 | 7-1 | 2040 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB) |
| E07 | 14472 | 8-1 | 0700 | Tue | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 14972 | 8-1 | 0720 | Tue | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 13523 | 8-1 | 1100 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 12123 | 8-1 | 1120 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 6963 | 9-1 | 1800 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 5863 | 9-1 | 1820 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 9-1 | 2000 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5767 | 9-1 | 2020 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5067 | 9-1 | 2040 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB) |
| E07 | 11593 | 10-1 | 1410 | Thu | 916 916 916 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/MPJ/HFD) |
| E07 | 10293 | 10-1 | 1430 | Thu | 916 916 916 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/MPJ/HFD) |
| E07 | 9293 | 10-1 | 1450 | Thu | 916 916 916 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/HFD) |
| E07 | 14472 | 11-1 | 0700 | Fri | 492 492 492 000 | USB | (AB) |
| E07 | 14972 | 11-1 | 0720 | Fri | 492 492 492 000 | USB | (AB) |
| E07 | 13523 | 11-1 | 1100 | Fri | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 12123 | 11-1 | 1120 | Fri | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 8123 | 12-1 | 0700 | Sat | 134 134 134 000 | USB | (AB) |
| E07 | 9323 | 12-1 | 0720 | Sat | 134 134 134 000 | USB | (AB) |
| E07 | 11593 | 12-1 | 1410 | Sat | 916 916 916 1 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/MPJ) |
| E07 | 10293 | 12-1 | 1430 | Sat | 916 916 916 1 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/MPJ) |
| E07 | 9293 | 12-1 | 1450 | Sat | 916 916 916 1 550 95 550 95 25483 82348 51877 ... 47188 94085 51641 000 000 | USB | (AB/MPJ) |

| | | | | | | | |
|-----|-------|------|------|-----|---|-----|--------------|
| E07 | 8123 | 13-1 | 0700 | Sun | 134 134 134 000 | USB | (AB) |
| E07 | 9323 | 13-1 | 0720 | Sun | 134 134 134 000 | USB | (AB) |
| E07 | 6963 | 13-1 | 1800 | Sun | 987 987 987 000 | USB | (AB) |
| E07 | 5863 | 13-1 | 1820 | Sun | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 14-1 | 2000 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5767 | 14-1 | 2020 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5067 | 14-1 | 2040 | Mon | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB) |
| E07 | 14472 | 15-1 | 0700 | Tue | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS/HFD) |
| E07 | 14972 | 15-1 | 0720 | Tue | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS/HFD) |
| E07 | 16272 | 15-1 | 0740 | Tue | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS/HFD) |
| E07 | 13523 | 15-1 | 1100 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 12123 | 15-1 | 1120 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 6963 | 16-1 | 1800 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 5863 | 16-1 | 1820 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 16-1 | 2000 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5767 | 16-1 | 2020 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB/MPJ) |
| E07 | 5067 | 16-1 | 2040 | Wed | 770 770 770 1 257 43 257 43 09075 47963 82881 ... 68374 09988 07384 000 000 | USB | (AB) |
| E07 | 11593 | 17-1 | 1410 | Thu | 916 916 916 000 | USB | (AB/MPJ) |
| E07 | 10293 | 17-1 | 1430 | Thu | 916 916 916 000 | USB | (AB/MPJ) |
| E07 | 14472 | 18-1 | 0700 | Fri | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS) |
| E07 | 14972 | 18-1 | 0720 | Fri | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS) |
| E07 | 16272 | 18-1 | 0740 | Fri | 492 492 492 1 2519 143 21807 62139 24965 ... 97694 93187 29017 000 000 | USB | (AB-RUS) |
| E07 | 13523 | 18-1 | 1100 | Fri | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 12123 | 18-1 | 1120 | Fri | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 8123 | 19-1 | 0700 | Sat | 134 134 134 000 | USB | (AB) |
| E07 | 9323 | 19-1 | 0720 | Sat | 134 134 134 000 | USB | (AB) |
| E07 | 11593 | 19-1 | 1410 | Sat | 916 916 916 000 | USB | (AB/MPJ) |
| E07 | 10293 | 19-1 | 1430 | Sat | 916 916 916 000 | USB | (AB/MPJ) |
| E07 | 8123 | 20-1 | 0700 | Sun | 134 134 134 000 | USB | (AB) |
| E07 | 9323 | 20-1 | 0720 | Sun | 134 134 134 000 | USB | (AB) |
| E07 | 6963 | 20-1 | 1800 | Sun | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 5863 | 20-1 | 1820 | Sun | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 21-1 | 2000 | Mon | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 5767 | 21-1 | 2020 | Mon | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 13523 | 22-1 | 1100 | Tue | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB/MPJ) |
| E07 | 12123 | 22-1 | 1120 | Tue | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB/MPJ) |
| E07 | 10623 | 22-1 | 1145 | Tue | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB) |
| E07 | 6963 | 23-1 | 1800 | Wed | 987 987 987 000 | USB | (AB/MPJ/BW3) |
| E07 | 5863 | 23-1 | 1820 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 23-1 | 2000 | Wed | 770 770 770 000 | USB | (AB/MPJ) |

| | | | | | | | |
|-------------|-------|------|------|-----|---|-----|------------------|
| E07 | 5767 | 23-1 | 2020 | Wed | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 11593 | 24-1 | 1410 | Thu | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (AB/MPJ) |
| E07 | 10293 | 24-1 | 1430 | Thu | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (AB/MPJ) |
| E07 | 9293 | 24-1 | 1450 | Thu | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (AB/MPJ) |
| E07 | 14472 | 25-1 | 0700 | Fri | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 14972 | 25-1 | 0720 | Fri | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 13523 | 25-1 | 1100 | Fri | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB/MPJ) |
| E07 | 12123 | 25-1 | 1120 | Fri | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB/MPJ) |
| E07 | 10623 | 25-1 | 1145 | Fri | 516 516 516 1 6258 211 6258 211 39134 46529 49179 ... 54865 94060 22861 000 000 | USB | (AB/MPJ) |
| E07 | 8123 | 26-1 | 0700 | Sat | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 9323 | 26-1 | 0720 | Sat | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 10423 | 26-1 | 0740 | Sat | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 11593 | 26-1 | 1410 | Sat | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (MPJ) |
| E07 | 10293 | 26-1 | 1430 | Sat | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (MPJ) |
| E07 | 9293 | 26-1 | 1450 | Sat | 916 916 916 1 3514 71 3514 71 76082 98428 33765 ... 47626 07922 91125 000 000 | USB | (MPJ) |
| E07 | 8123 | 27-1 | 0700 | Sun | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 9323 | 27-1 | 0720 | Sun | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 10423 | 27-1 | 0740 | Sun | 134 134 134 1 197 29 197 29 27549 29452 12905 ... 65821 35545 25580 000 000 | USB | (AB) |
| E07 | 6963 | 27-1 | 1800 | Sun | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 5863 | 27-1 | 1820 | Sun | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 28-1 | 2000 | Mon | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 5767 | 28-1 | 2020 | Mon | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 14472 | 29-1 | 0700 | Tue | 492 492 492 000 | USB | (AB-RUS) |
| E07 | 14972 | 29-1 | 0720 | Tue | 492 492 492 000 | USB | (AB) |
| E07 | 13523 | 29-1 | 1100 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 12123 | 29-1 | 1120 | Tue | 516 516 516 000 | USB | (AB/MPJ) |
| E07 | 6963 | 30-1 | 1800 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 5863 | 30-1 | 1820 | Wed | 987 987 987 000 | USB | (AB/MPJ) |
| E07 | 6776 | 30-1 | 2000 | Wed | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 5767 | 30-1 | 2020 | Wed | 770 770 770 000 | USB | (AB/MPJ) |
| E07 | 11593 | 31-1 | 1410 | Thu | 916 916 916 000 | USB | (AB/MPJ) |
| E07 | 10293 | 31-1 | 1430 | Thu | 916 916 916 000 | USB | (AB/MPJ) |
| E07a | 5877 | 2-1 | 2100 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5277 | 2-1 | 2120 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5111 | 3-1 | 0530 | Thu | 189 189 189 000 | USB | (AB/HFD) |
| E07a | 5811 | 3-1 | 0550 | Thu | 189 189 189 000 | USB | (AB/HFD) |
| E07a | 7632 | 4-1 | 1610 | Fri | 688 688 688 000 | USB | (AB/BW3-HOL/HFD) |
| E07a | 6832 | 4-1 | 1630 | Fri | 688 688 688 000 | USB | (AB/HFD) |
| E07a | 11123 | 5-1 | 0900 | Sat | 114 114 114 000 | USB | (AB) |

| | | | | | | | |
|------|-------|------|------|-----|-----------------|-----|-----------|
| E07a | 11123 | 5-1 | 0900 | Sat | 114 114 114 000 | USB | (HFD) |
| E07a | 12123 | 5-1 | 0920 | Sat | 114 114 114 000 | USB | (HFD) |
| E07a | 12123 | 5-1 | 0920 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 5877 | 9-1 | 2100 | Wed | 825 825 825 000 | USB | (AB/RL) |
| E07a | 5277 | 9-1 | 2120 | Wed | 825 825 825 000 | USB | (AB/RL) |
| E07a | 5111 | 10-1 | 0530 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 5811 | 10-1 | 0550 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 7632 | 11-1 | 1610 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 6832 | 11-1 | 1630 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 11123 | 12-1 | 0900 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 12123 | 12-1 | 0920 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 5877 | 16-1 | 2100 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5277 | 16-1 | 2120 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5111 | 17-1 | 0530 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 5811 | 17-1 | 0550 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 7632 | 18-1 | 1610 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 6832 | 18-1 | 1630 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 11123 | 19-1 | 0900 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 12123 | 19-1 | 0920 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 5877 | 23-1 | 2100 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5277 | 23-1 | 2120 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5811 | 24-1 | 0550 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 7632 | 25-1 | 1610 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 6832 | 25-1 | 1630 | Fri | 688 688 688 000 | USB | (AB/MPJ) |
| E07a | 11123 | 26-1 | 0900 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 12123 | 26-1 | 0920 | Sat | 114 114 114 000 | USB | (AB) |
| E07a | 5877 | 30-1 | 2100 | Wed | 825 825 825 000 | USB | (AB) |
| E07a | 5277 | 30-1 | 2120 | Wed | 825 825 825 000 | USB | (AB/RL) |
| E07a | 5111 | 31-1 | 0530 | Thu | 189 189 189 000 | USB | (AB) |
| E07a | 5811 | 31-1 | 0550 | Thu | 189 189 189 000 | USB | (AB) |
| E11 | 14611 | 1-1 | 0820 | Tue | 135/00 | USB | (AB) |
| E11 | 11104 | 1-1 | 0845 | Tue | 150/00 | USB | (AB) |
| E11 | 7317 | 1-1 | 1205 | Tue | 463/00 | USB | (AB) |
| E11 | 17378 | 2-1 | 0745 | Wed | 348/00 | USB | (AB-QAT) |
| E11 | 8597 | 2-1 | 0900 | Wed | 536/00 | USB | (AB) |
| E11 | 7984 | 2-1 | 1045 | Wed | 693/00 | USB | (AB) |
| E11 | 7317 | 2-1 | 1205 | Wed | 462/00 | USB | (AB/MPJ) |
| E11 | 10448 | 2-1 | 1625 | Wed | 978/00 | USB | (MPJ-HOL) |
| E11 | 9443 | 2-1 | 1705 | Wed | 393/00 | USB | (AB/MPJ) |
| E11 | 8545 | 2-1 | 1730 | Wed | 402/00 | USB | (AB/MPJ) |

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|-----|-------|------|------|-----|--------|-----|-----------------|
| E11 | 4909 | 3-1 | 0820 | Thu | 432/00 | USB | (AB) |
| E11 | 11104 | 3-1 | 0845 | Thu | 152/00 | USB | (AB) |
| E11 | 5409 | 3-1 | 1530 | Thu | 266/00 | USB | (AB/GHn) |
| E11 | 5779 | 3-1 | 1730 | Thu | 414/00 | USB | (AB) |
| E11 | 6849 | 3-1 | 1900 | Thu | 644/00 | USB | (AB) |
| E11 | 12067 | 3-1 | 1925 | Thu | 553/00 | USB | (AB) |
| E11 | 9200 | 4-1 | 0600 | Fri | 189/00 | USB | (AB) |
| E11 | 6804 | 4-1 | 0700 | Fri | 579/00 | USB | (AB) |
| E11 | 9130 | 4-1 | 0715 | Fri | 633/00 | USB | (AB) |
| E11 | 17378 | 4-1 | 0745 | Fri | 343/00 | USB | (AB-AUT) |
| E11 | 20167 | 4-1 | 1225 | Fri | 528/00 | USB | (AB-ROU) |
| E11 | 16335 | 4-1 | 1650 | Fri | 926/00 | USB | (AB-POL) |
| E11 | 4505 | 5-1 | 0710 | Sat | 496/00 | USB | (AB) |
| E11 | 7377 | 5-1 | 0805 | Sat | 314/00 | USB | (AB) |
| E11 | 14666 | 5-1 | 1345 | Sat | 912/00 | USB | (AB/MPJ) |
| E11 | 9443 | 5-1 | 1705 | Sat | 392/00 | USB | (AnEur) |
| E11 | 8545 | 5-1 | 1730 | Sat | 409/00 | USB | (AnEur/MPJ-HOL) |
| E11 | 4505 | 6-1 | 0710 | Sun | 491/00 | USB | (AB) |
| E11 | 7377 | 6-1 | 0805 | Sun | 319/00 | USB | (AB) |
| E11 | 12924 | 6-1 | 1745 | Sun | 249/00 | USB | (MPJ-I) |
| E11 | 10487 | 6-1 | 1910 | Sun | 612/00 | USB | (AB/MPJ-I) |
| E11 | 10213 | 7-1 | 0745 | Mon | 262/00 | USB | (AB) |
| E11 | 8587 | 7-1 | 0900 | Mon | 538/00 | USB | (AB) |
| E11 | 7984 | 7-1 | 1045 | Mon | 698/00 | USB | (AB/MPJ) |
| E11 | 6849 | 7-1 | 1900 | Mon | 640/00 | USB | (AB/MPJ) |
| E11 | 7840 | 8-1 | 0645 | Tue | 518/00 | USB | (AB) |
| E11 | 6804 | 8-1 | 0700 | Tue | 574/00 | USB | (AB) |
| E11 | 14611 | 8-1 | 0820 | Tue | 130/00 | USB | (AB/HFD) |
| E11 | 11104 | 8-1 | 0845 | Tue | 157/00 | USB | (AB) |
| E11 | 8800 | 8-1 | 0900 | Tue | 305/00 | USB | (AB) |
| E11 | 7317 | 8-1 | 1205 | Tue | 460/00 | USB | (AB/MPJ) |
| E11 | 14666 | 8-1 | 1345 | Tue | 915/00 | USB | (AB/MPJ) |
| E11 | 4505 | 8-1 | 1605 | Tue | 235/00 | USB | (AB/MPJ) |
| E11 | 11493 | 8-1 | 1645 | Tue | 337/00 | USB | (AB/MPJ) |
| E11 | 14611 | 9-1 | 0820 | Wed | 133/00 | USB | (AB) |
| E11 | 7984 | 9-1 | 1045 | Wed | 696/00 | USB | (MPJ) |
| E11 | 7317 | 9-1 | 1205 | Wed | 465/00 | USB | (AB/MPJ) |
| E11 | 9443 | 9-1 | 1705 | Wed | 395/00 | USB | (MPJ/BW3-HOL) |
| E11 | 5779 | 10-1 | 0315 | Thu | 251/00 | USB | (AB) |

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|-----|-------|------|------|-----|--|-----|-----------|
| E11 | 7840 | 10-1 | 0645 | Thu | 518/00 | USB | (AB) |
| E11 | 11104 | 10-1 | 0845 | Thu | 154/00 | USB | (AB) |
| E11 | 11116 | 10-1 | 1300 | Thu | 587/00 | USB | (AB/MPJ) |
| E11 | 5409 | 10-1 | 1530 | Thu | 267/00 | USB | (AB/MPJ) |
| E11 | 11493 | 10-1 | 1645 | Thu | 338/00 | USB | (MPJ) |
| E11 | 5779 | 10-1 | 1730 | Thu | 418/00 | USB | (AB/MPJ) |
| E11 | 6849 | 10-1 | 1900 | Thu | 640/00 | USB | (AB/MPJ) |
| E11 | 12067 | 10-1 | 1925 | Thu | 553/00 | USB | (MPJ-HOL) |
| E11 | 6804 | 11-1 | 0700 | Fri | 577/00 | USB | (AB) |
| E11 | 8800 | 11-1 | 1000 | Fri | 308/00 | USB | (AB) |
| E11 | 10487 | 11-1 | 1910 | Fri | 618/00 | USB | (AB/MPJ) |
| E11 | 4505 | 12-1 | 0710 | Sat | 496/00 | USB | (AB) |
| E11 | 11116 | 12-1 | 1300 | Sat | 587/00 | USB | (MPJ) |
| E11 | 9443 | 12-1 | 1705 | Sat | 391/00 | USB | (MPJ) |
| E11 | 4505 | 13-1 | 0710 | Sun | 491/00 | USB | (AB) |
| E11 | 4909 | 13-1 | 0805 | Sun | 313/00 | USB | (AB) |
| E11 | 4505 | 13-1 | 1605 | Sun | 230/00 | USB | (AB/MPJ) |
| E11 | 9200 | 14-1 | 0600 | Mon | 185/00 | USB | (AB) |
| E11 | 11450 | 14-1 | 0640 | Mon | 948/00 | USB | (AB) |
| E11 | 4909 | 14-1 | 0820 | Mon | 435/00 | USB | (AB) |
| E11 | 8587 | 14-1 | 0900 | Mon | 536/00 | USB | (AB) |
| E11 | 20167 | 14-1 | 1225 | Mon | 521/00 ?? Very weak | USB | (MPJ-AUT) |
| E11 | 12924 | 14-1 | 1745 | Mon | 240/00 | USB | (AB/MPJ) |
| E11 | 6849 | 14-1 | 1900 | Mon | 649/00 | USB | (AB/MPJ) |
| E11 | 7840 | 15-1 | 0645 | Tue | 518/00 | USB | (AB) |
| E11 | 6804 | 15-1 | 0700 | Tue | 571/00 | USB | (AB) |
| E11 | 9130 | 15-1 | 0715 | Tue | 633/00 | USB | (AB) |
| E11 | 11104 | 15-1 | 0845 | Tue | 154/00 | USB | (AB) |
| E11 | 8800 | 15-1 | 0900 | Tue | 305/00 | USB | (AB) |
| E11 | 7317 | 15-1 | 1205 | Tue | 461/00 | USB | (AB) |
| E11 | 4505 | 15-1 | 1605 | Tue | 237/00 | USB | (AB/MPJ) |
| E11 | 11493 | 15-1 | 1645 | Tue | 337/00 | USB | (AB/MPJ) |
| E11 | 12067 | 15-1 | 1925 | Tue | Active unreadable. Probably null message | USB | (MPJ-CZE) |
| E11 | 5779 | 16-1 | 0315 | Wed | 250/00 | USB | (AB) |
| E11 | 11450 | 16-1 | 0640 | Wed | 942/00 | USB | (AB) |
| E11 | 8597 | 16-1 | 0900 | Wed | 532/00 | USB | (AB) |
| E11 | 8180 | 16-1 | 0930 | Wed | 270/00 | USB | (AB) |
| E11 | 7317 | 16-1 | 1205 | Wed | 469/00 | USB | (MPJ) |
| E11 | 10448 | 16-1 | 1625 | Wed | 974/00 | USB | (AB/MPJ) |
| E11 | 8545 | 16-1 | 1730 | Wed | 408/00 | USB | (AB/MPJ) |

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|-----|-------|------|------|-----|--------------------------|-----|------------------|
| E11 | 7840 | 17-1 | 0645 | Thu | 514/00 | USB | (AB) |
| E11 | 4909 | 17-1 | 0820 | Thu | 430/00 | USB | (AB) |
| E11 | 11104 | 17-1 | 0845 | Thu | 152/00 | USB | (AB) |
| E11 | 8180 | 17-1 | 0930 | Thu | 270/00 | USB | (AB) |
| E11 | 11116 | 17-1 | 1300 | Thu | 580/00 | USB | (AB/MPJ) |
| E11 | 5409 | 17-1 | 1530 | Thu | 269/00 | USB | (AB/GHn/MPJ) |
| E11 | 5779 | 17-1 | 1730 | Thu | 415/00 | USB | (AB) |
| E11 | 6849 | 17-1 | 1900 | Thu | 649/00 | USB | (AB/MPJ) |
| E11 | 9200 | 18-1 | 0600 | Fri | 183/00 | USB | (AB) |
| E11 | 6804 | 18-1 | 0700 | Fri | 576/00 | USB | (AB) |
| E11 | 9130 | 18-1 | 0715 | Fri | 637/00 | USB | (AB) |
| E11 | 17378 | 18-1 | 0745 | Fri | 346/00 ?? barely audible | USB | (AB-AUT) |
| E11 | 8800 | 18-1 | 1000 | Fri | 309/00 | USB | (AB) |
| E11 | 11116 | 19-1 | 1300 | Sat | 581/00 | USB | (AB/MPJ) |
| E11 | 8545 | 19-1 | 1730 | Sat | 406/00 | USB | (AB/MPJ/GHn) |
| E11 | 4505 | 20-1 | 1605 | Sun | 238/00 | USB | (GHn/MPJ) |
| E11 | 10448 | 20-1 | 1625 | Sun | 977/00 | USB | (MPJ) |
| E11 | 16335 | 20-1 | 1650 | Sun | 929/00 | USB | (MPJ) |
| E11 | 12924 | 20-1 | 1745 | Sun | 227/00 | USB | (AB-AUT/MPJ-HOL) |
| E11 | 10487 | 20-1 | 1910 | Sun | 616/00 | USB | (AB/MPJ) |
| E11 | 9200 | 21-1 | 0600 | Mon | 189/00 | USB | (AB) |
| E11 | 10213 | 21-1 | 0745 | Mon | 262/00 | USB | (AB) |
| E11 | 4909 | 21-1 | 0820 | Mon | 439/00 | USB | (AB) |
| E11 | 8587 | 21-1 | 0900 | Mon | 537/00 | USB | (AB) |
| E11 | 7984 | 21-1 | 1045 | Mon | 697/00 | USB | (AB) |
| E11 | 6849 | 21-1 | 1900 | Mon | 649/00 | USB | (AB/MPJ) |
| E11 | 14611 | 22-1 | 0820 | Tue | 138/00 | USB | (AB) |
| E11 | 8800 | 22-1 | 0900 | Tue | 309/00 | USB | (AB) |
| E11 | 8800 | 22-1 | 0900 | Tue | 309/00 | USB | (AB) |
| E11 | 7317 | 22-1 | 1205 | Tue | 464/00 | USB | (AB/MPJ) |
| E11 | 14666 | 22-1 | 1345 | Tue | 910/00 | USB | (MPJ) |
| E11 | 4505 | 22-1 | 1605 | Tue | 237/00 | USB | (MPJ) |
| E11 | 11450 | 23-1 | 0640 | Wed | 944/00 | USB | (AB) |
| E11 | 14611 | 23-1 | 0820 | Wed | 135/00 | USB | (AB) |
| E11 | 8597 | 23-1 | 0905 | Wed | 537/00 Late start | USB | (AB) |
| E11 | 8180 | 23-1 | 0930 | Wed | 277/00 | USB | (AB) |
| E11 | 7984 | 23-1 | 1045 | Wed | 691/00 | USB | (AB) |
| E11 | 7317 | 23-1 | 1205 | Wed | 464/00 | USB | (AB/MPJ) |
| E11 | 10448 | 23-1 | 1625 | Wed | 972/00 | USB | (BW3/MPJ-CZE) |

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|-----|-------|------|------|-----|-------------------------------|-----|------------------|
| E11 | 9443 | 23-1 | 1705 | Wed | 394/00 | USB | (AB/MPJ-CZE/BW3) |
| E11 | 8545 | 23-1 | 1730 | Wed | 405/00 | USB | (AB/MPJ-AUT) |
| E11 | 7840 | 24-1 | 0645 | Thu | 515/00 | USB | (AB) |
| E11 | 4909 | 24-1 | 0820 | Thu | 434/00 | USB | (AB) |
| E11 | 8180 | 24-1 | 0930 | Thu | 278/00 | USB | (AB) |
| E11 | 11116 | 24-1 | 1300 | Thu | 585/00 | USB | (AB/MPJ) |
| E11 | 5409 | 24-1 | 1530 | Thu | 267/00 | USB | (AB/MPJ/BW3) |
| E11 | 6849 | 24-1 | 1900 | Thu | 649/00 | USB | (MPJ) |
| E11 | 12067 | 24-1 | 1925 | Thu | 558/00 | USB | (AB-AUT/MPJ-AUT) |
| E11 | 9200 | 25-1 | 0600 | Fri | 185/00 | USB | (AB) |
| E11 | 9130 | 25-1 | 0715 | Fri | 637/00 | USB | (AB) |
| E11 | 8800 | 25-1 | 1000 | Fri | 304/00 | USB | (AB) |
| E11 | 16335 | 25-1 | 1650 | Fri | 924/00 | USB | (MPJ-CZE) |
| E11 | 4505 | 26-1 | 0710 | Sat | 496/00 | USB | (AB) |
| E11 | 4909 | 26-1 | 0805 | Sat | 314/00 | USB | (AB) |
| E11 | 11116 | 26-1 | 1300 | Sat | 581/00 | USB | (AB-AUT/MPJ-CZE) |
| E11 | 4505 | 27-1 | 0710 | Sun | 495/00 | USB | (AB) |
| E11 | 4909 | 27-1 | 0805 | Sun | 315/00 | USB | (AB) |
| E11 | 4505 | 27-1 | 1605 | Sun | 233/00 | USB | (MPJ) |
| E11 | 10448 | 27-1 | 1625 | Sun | 977/00 | USB | (MPJ) |
| E11 | 16335 | 27-1 | 1650 | Sun | Active unreadable | USB | (MPJ-CZE) |
| E11 | 12924 | 27-1 | 1745 | Sun | Null message too weak to copy | USB | (MPJ-AUT) |
| E11 | 9200 | 28-1 | 0600 | Mon | 183/00 | USB | (AB) |
| E11 | 4909 | 28-1 | 0820 | Mon | 439/00 | USB | (AB) |
| E11 | 7984 | 28-1 | 1045 | Mon | 697/00 | USB | (AB) |
| E11 | 6804 | 29-1 | 0700 | Tue | 575/00 | USB | (AB) |
| E11 | 9130 | 29-1 | 0715 | Tue | 630/00 | USB | (AB) |
| E11 | 14611 | 29-1 | 0820 | Tue | 131/00 | USB | (AB) |
| E11 | 11104 | 29-1 | 0845 | Tue | 151/00 | USB | (AB) |
| E11 | 14666 | 29-1 | 1345 | Tue | 914/00 | USB | (AB-AUT/MPJ-CZE) |
| E11 | 4505 | 29-1 | 1605 | Tue | 238/00 | USB | (AB/GHn/MPJ) |
| E11 | 11493 | 29-1 | 1645 | Tue | 332/00 | USB | (MPJ-CZE) |
| E11 | 14611 | 30-1 | 0820 | Wed | 138/00 | USB | (AB) |
| E11 | 8180 | 30-1 | 0930 | Wed | 270/00 | USB | (AB) |
| E11 | 7984 | 30-1 | 1045 | Wed | 696/00 | USB | (AB) |
| E11 | 10448 | 30-1 | 1625 | Wed | 974/00 | USB | (MPJ) |

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|-------------|-------|------|------|-----|---|--|-----|------------------|
| E11 | 9443 | 30-1 | 1705 | Wed | 394/00 | | USB | (AB/MPJ) |
| E11 | 8545 | 30-1 | 1730 | Wed | 402/00 | | USB | (AB-AUT/MPJ-CZE) |
| E11 | 5779 | 31-1 | 0315 | Thu | 259/00 | | USB | (AB) |
| E11 | 4909 | 31-1 | 0820 | Thu | 435/00 | | USB | (AB) |
| E11 | 11104 | 31-1 | 0845 | Thu | 152/00 | | USB | (AB) |
| E11 | 8180 | 31-1 | 0930 | Thu | 277/00 | | USB | (AB) |
| E11 | 11116 | 31-1 | 1300 | Thu | 581/00 | | USB | (AB) |
| E11 | 11493 | 31-1 | 1645 | Thu | 338/00 | | USB | (AB/GHn/MPJ) |
| E11 | 5779 | 31-1 | 1730 | Thu | 414/00 | | USB | (AB/MPJ) |
| E11 | 12067 | 31-1 | 1925 | Thu | 553/00 | | USB | (MPJ) |
| E11a | 8800 | 1-1 | 0900 | Tue | 308/32 Attention 62927 02016 84329 ... 07995 43636 07800 Attention (message repeated) Out | | USB | (AB) |
| E11a | 4505 | 1-1 | 1605 | Tue | 236/39 Attention ... | | USB | (GHn) |
| E11a | 11116 | 3-1 | 1300 | Thu | 580/33 Attention 18561 41670 92263 ... 58928 66774 21207 Attention (message repeated) Out | | USB | (AB-AUT) |
| E11a | 8800 | 4-1 | 1000 | Fri | 308/32 Attention 62927 02016 84329 ... 07995 43636 07800 Attention (message repeated) Out | | USB | (AB) |
| E11a | 11116 | 5-1 | 1300 | Sat | 580/33 Attention 18561 41670 92263 ... 58928 66774 21207 Attention (message repeated) Out | | USB | (AB/MPJ) |
| E11a | 4505 | 6-1 | 1605 | Sun | 236/39 Attention 10721 80763 37256 ... 85371 16234 30878 Attention (message repeated) Out | | USB | (AB/MPJ) |
| E11a | 9200 | 7-1 | 0600 | Mon | 180/26 Attention 28863 75437 19717 ... 24293 47013 51973 Attention (message repeated) Out | | USB | (AB) |
| E11a | 9130 | 8-1 | 0715 | Tue | 630/38 Attention 78121 49303 73503 ... 99266 07256 71011 Attention (message repeated) Out | | USB | (AB) |
| E11a | 8180 | 9-1 | 0930 | Wed | 275/31 Attention 43357 46596 48588 ... 89589 59928 85328 Attention (message repeated) Out | | USB | (AB) |
| E11a | 10448 | 9-1 | 1625 | Wed | 975/34 Attention 66068 88453 37582 ... 03228 59732 28159 Attention (message repeated) Out | | USB | (AB/MPJ) |
| E11a | 8545 | 9-1 | 1730 | Wed | 400/33 Attention 01222 76456 39066 ... 93967 63973 63652 Attention (message repeated) Out | | USB | (AB/MPJ/BW3-HOL) |
| E11a | 4909 | 10-1 | 0820 | Thu | 439/32 Attention 18592 57858 83096 ... 23884 00771 12737 Attention (message repeated) Out | | USB | (AB) |
| E11a | 8180 | 10-1 | 0930 | Thu | 275/31 Attention 43357 46596 48588 ... 89589 59928 85328 Attention (message repeated) Out | | USB | (AB) |
| E11a | 9200 | 11-1 | 0600 | Fri | 180/26 Attention 28863 75437 19717 ... 24293 47013 51973 Attention (message repeated) Out | | USB | (AB) |
| E11a | 9130 | 11-1 | 0715 | Fri | 630/38 Attention 78121 49303 73503 ... 99266 07256 71011 Attention (message repeated) Out | | USB | (AB) |
| E11a | 8545 | 12-1 | 1730 | Sat | 400/33 Attention 01222 76456 39066 ... 93967 63973 63652 Attention (message repeated) Out | | USB | (MPJ) |
| E11a | 16335 | 13-1 | 1650 | Sun | 927/39 Attention ... | | USB | (MPJ-HOL) |
| E11a | 7984 | 14-1 | 1045 | Mon | 698/26 Attention 54809 82102 07058 ... 23228 80731 02613 Attention (message repeated) Out | | USB | (AB) |
| E11a | 14611 | 15-1 | 0820 | Tue | 136/34 Attention 97796 82809 79559 ... 15942 74644 72173 Attention (message repeated) Out | | USB | (AB) |
| E11a | 7984 | 16-1 | 1045 | Wed | 698/26 Attention 54809 82102 07058 ... 23228 80731 02613 Attention (message repeated) Out | | USB | (MPJ) |
| E11a | 9443 | 16-1 | 1705 | Wed | 390/35 Attention 43005 33870 70631 ... 41005 27826 55079 Attention (message repeated) Out | | USB | (AB-CZE/MPJ-HOL) |
| E11a | 12067 | 17-1 | 1925 | Thu | 552/34 Attention ... | | USB | (MPJ-CZE) |
| E11a | 4505 | 19-1 | 0710 | Sat | 495/32 Attention 09339 75288 04948 ... 99430 30902 72649 Attention (message repeated) Out | | USB | (AB) |
| E11a | 4909 | 19-1 | 0805 | Sat | 314/35 Attention 87559 00345 14382 ... 44140 87542 07802 Attention (message repeated) Out | | USB | (AB/HFD) |
| E11a | 9443 | 19-1 | 1705 | Sat | 390/35 Attention 43005 33870 70631 ... 41005 27826 55079 Attention (message repeated) Out | | USB | (AB) |
| E11a | 4505 | 20-1 | 0710 | Sun | 495/32 Attention 09339 75288 04948 ... 99430 30902 72649 Attention (message repeated) Out | | USB | (AB) |
| E11a | 4909 | 20-1 | 0805 | Sun | 314/35 Attention 87559 00345 14382 ... 44140 87542 07802 Attention (message repeated) Out | | USB | (AB) |

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|------|-------|------|------|-----|---|-----|--------------|
| E11a | 17378 | 23-1 | 0747 | Wed | 343/31 Attention ... | USB | (AB-QAT) |
| E11a | 11104 | 24-1 | 0845 | Thu | 156/37 Attention 78420 75142 27757 ... 22260 32744 08148 Attention (message repeated) Out | USB | (AB) |
| E11a | 11493 | 24-1 | 1645 | Thu | 338/40 Attention ... | USB | (AB) |
| E11a | 5779 | 24-1 | 1730 | Thu | 411/37 Attention 52277 90999 03661 ... 44856 14823 80893 Attention (message repeated) Out | USB | (AB/GHn/MPJ) |
| E11a | 6804 | 25-1 | 0700 | Fri | 570/37 Attention 43433 03294 56274 ... 32644 86607 00868 Attention (message repeated) Out | USB | (AB) |
| E11a | 17378 | 25-1 | 0745 | Fri | 343/31 Attention 63665 18906 73597 ... 08682 54293 37509 Attention (message repeated) Out | USB | (AB-QAT) |
| E11a | 10487 | 25-1 | 1910 | Fri | 614/34 Attn 73286 49853 54531 ... 08504 88148 90158 Attn. Repeats. Out | USB | (AB/MPJ) |
| E11a | 10487 | 27-1 | 1910 | Sun | 614/34 Attn 73286 49853 54531 ... 08504 88148 90158 Attn. Repeats. Out | USB | (MPJ-I) |
| E11a | 11450 | 28-1 | 0640 | Mon | 941/33 Attention 59456 09534 86174 ... 40769 11464 88184 Attention (message repeated) Out | USB | (AB) |
| E11a | 10213 | 28-1 | 0745 | Mon | 264/35 Attention 09669 83421 74432 ... 70197 98121 61534 Attention (message repeated) Out | USB | (AB) |
| E11a | 8587 | 28-1 | 0900 | Mon | 530/40 Attention 90498 10732 98139 ... 90943 58896 77036 Attention (message repeated) Out | USB | (AB) |
| E11a | 6849 | 28-1 | 1900 | Mon | 644/31 Attention 60744 78352 29508 ... 82370 08220 53923 Attention (message repeated) Out | USB | (AB-POL/MPJ) |
| E11a | 7840 | 29-1 | 0645 | Tue | Problematic txm: 518/40 Attention 9 9 7 7 /2 /2 5 5 4 4 Attention Attention 98 98 Attention 9 7 /2 5 4 Attention 98 Out | USB | (AB) |
| E11a | 7317 | 29-1 | 1205 | Tue | 464/31 Attention 08427 46009 66983 ... 40472 55397 98983 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 11450 | 30-1 | 0640 | Wed | 941/33 Attention 59456 09534 86174 ... 40769 11464 88184 Attention (message repeated) Out | USB | (AB) |
| E11a | 8597 | 30-1 | 0905 | Wed | 530/40 Attention 90498 10732 98139 ... 90943 58896 77036 Attention (message repeated) Out | USB | (AB) |
| E11a | 7317 | 30-1 | 1205 | Wed | 464/31 Attention 08427 46009 66983 ... 40472 55397 98983 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 7840 | 31-1 | 0645 | Thu | Same faulty transmission as on 29-01: 518/40 Attention 99 77 /2 /2 55 44 Attention Attention 98 98 Attention 9 7 /2 5 4 Attention 98 Out | USB | (AB) |
| E11a | 5409 | 31-1 | 1530 | Thu | 264/35 Attention 09669 83421 74432 ... 70197 98121 61534 Attention (message repeated) Out | USB | (AB/DE/MPJ) |
| E11a | 6849 | 31-1 | 1900 | Thu | 644/31 Attention 60744 78352 29508 ... 82370 08220 53923 Attention (message repeated) Out | USB | (AB/MPJ) |
| E17z | 11170 | 3-1 | 0800 | Thu | 674 923 5 16945 80744 86200 845703 42227 923 5 00000 | USB | (AB) |
| E17z | 9820 | 3-1 | 0810 | Thu | 674 923 5 16945 80744 86200 845703 42227 923 5 00000 | USB | (AB) |
| E17z | 5830 | 9-1 | 1300 | Wed | 274 258 10 92087 36704 49976 49029 10467 93474 44174 33083 13833 95254 258 10 00000 | USB | (Avare) |
| E17z | 11170 | 10-1 | 0800 | Thu | 674 923 5 16945 80744 86200 845703 42227 923 5 00000 | USB | (AB) |
| E17z | 9820 | 10-1 | 0810 | Thu | 674 923 5 16945 80744 86200 845703 42227 923 5 00000 | USB | (AB) |
| E17z | 10240 | 10-1 | 1451 | Thu | 274 938 15 26634 14690 95590 60386 03009 81413 94073 83531 94063 51156 47556 94092 48521 63888 92060 938 15 00000 | USB | (AB) |
| E17z | 8080 | 10-1 | 1502 | Thu | 03009 81 then stop | USB | (Avare) |
| E17z | 8080 | 10-1 | 1504 | Thu | 274 938 15 26634 14690 95590 60386 03009 81413 94073 83531 94063 51156 repeat as "53156" 47556 4 stop | USB | (Avare) |
| E17z | 8080 | 10-1 | 1509 | Thu | 274 94073 83531 94063 51156 repeat again as "53156" 47556 94092 28521 63888 92060 938 15 00000 | USB | (Avare) |
| E17z | 11170 | 17-1 | 0800 | Thu | 674 203 5 33699 39998 30667 35947 83964 203 5 00000 | USB | (AB) |
| E17z | 9820 | 17-1 | 0810 | Thu | 674 203 5 33699 39998 30667 35947 83964 203 5 00000 | USB | (AB) |
| E17z | 11170 | 24-1 | 0800 | Thu | 674 203 5 33699 39998 30667 35947 83964 203 5 00000 | USB | (AB) |
| E17z | 9820 | 24-1 | 0810 | Thu | 674 203 5 33699 39998 30667 35947 83964 203 5 00000 | USB | (AB) |
| E17z | 11170 | 31-1 | 0800 | Thu | 674 674 674 00000 | USB | (AB) |
| E17z | 9820 | 31-1 | 0810 | Thu | 674 674 674 00000 | USB | (AB) |

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|-------------|-------|------|------|-----|--|-------------|--------------|
| F01 | 7629 | 2-1 | 1940 | Wed | Russian diplo/intel.)576 100000+++++++162 | FSK 200/500 | (AB-RUS/MPJ) |
| F01 | 6783 | 2-1 | 1950 | Wed | Russian diplo/intel.)576 100000+++++++162 | FSK 200/500 | (AB/MPJ) |
| F01 | 4034 | 2-1 | 2000 | Wed | Russian diplo/intel.)576 100000+++++++162 | FSK 200/500 | (AB/MPJ) |
| F01 | 15956 | 4-1 | 2230 | Fri | Russian diplo/intel. Header: 11177 00116 79562 04001 01639 | FSK 200/500 | (Danix-USA) |
| F01 | 17411 | 4-1 | 2230 | Fri | Russian diplo/intel. Header: 11177 00116 79562 04001 01639 | FSK 200/500 | (Danix-USA) |
| F01 | 13452 | 7-1 | 0025 | Mon | Russian diplo/intel. Header: 11177 00117 79518 04001 01769 | FSK 200/500 | (Danix-USA) |
| F01 | 11106 | 7-1 | 0035 | Mon | Russian diplo/intel. Header: 11177 00117 79518 04001 01769 | FSK 200/500 | (Danix-USA) |
| F01 | 13452 | 7-1 | 0125 | Mon | Russian diplo/intel. Header: 11177 00117 79518 04001 01769 | FSK 200/500 | (Danix-USA) |
| F01 | 11106 | 7-1 | 0135 | Mon | Russian diplo/intel. Header: 11177 00117 79518 04001 01769 | FSK 200/500 | (Danix-USA) |
| F03a | 10200 | 1-1 | 0835 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 1-1 | 0840 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 2-1 | 1030 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 2-1 | 1035 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 3-1 | 0835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 3-1 | 0840 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 3-1 | 1800 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 3-1 | 1805 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 3-1 | 1830 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 3-1 | 1835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 4-1 | 0945 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 4-1 | 0950 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 7-1 | 1030 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 7-1 | 1035 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 7-1 | 1830 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 7-1 | 1835 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 8-1 | 0835 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 8-1 | 0840 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 8-1 | 1800 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 8-1 | 1805 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 9-1 | 1030 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 9-1 | 1035 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 10-1 | 0835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 10-1 | 0840 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 10-1 | 1830 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 10-1 | 1835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 11-1 | 0945 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 11-1 | 0950 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 14-1 | 1030 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 14-1 | 1035 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 14-1 | 1830 | Mon | Polish intel. | FSK 100/200 | (AB) |

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|------|-------|------|------|-----|---------------|-------------|------|
| F03a | 6906 | 14-1 | 1835 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 15-1 | 0835 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 15-1 | 0840 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 15-1 | 0945 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 15-1 | 0950 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 15-1 | 1800 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 15-1 | 1805 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 16-1 | 1030 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 16-1 | 1035 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 17-1 | 0835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 17-1 | 0840 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 17-1 | 1800 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 17-1 | 1805 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 17-1 | 1830 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 17-1 | 1835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 18-1 | 0945 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 18-1 | 0950 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 21-1 | 1030 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 21-1 | 1035 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 21-1 | 1830 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 21-1 | 1835 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 22-1 | 0835 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 22-1 | 0840 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 22-1 | 0945 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 22-1 | 0950 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 23-1 | 1030 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 23-1 | 1035 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 24-1 | 0835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 24-1 | 0840 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 24-1 | 1800 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 24-1 | 1805 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 24-1 | 1830 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 24-1 | 1835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 25-1 | 0945 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 25-1 | 0950 | Fri | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 28-1 | 1030 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 28-1 | 1035 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 28-1 | 1830 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 28-1 | 1835 | Mon | Polish intel. | FSK 100/200 | (AB) |
| F03a | 8680 | 29-1 | 0945 | Tue | Polish intel. | FSK 100/200 | (AB) |

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|------|-------|------|------|-----|---------------|-------------|------|
| F03a | 8680 | 29-1 | 0950 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 29-1 | 1800 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 29-1 | 1805 | Tue | Polish intel. | FSK 100/200 | (AB) |
| F03a | 5371 | 30-1 | 0915 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 5371 | 30-1 | 0920 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 30-1 | 1030 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 7837 | 30-1 | 1035 | Wed | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 31-1 | 0835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 10200 | 31-1 | 0840 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 31-1 | 1800 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6480 | 31-1 | 1805 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 31-1 | 1830 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03a | 6906 | 31-1 | 1835 | Thu | Polish intel. | FSK 100/200 | (AB) |
| F03b | 5371 | 2-1 | 0915 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 2-1 | 0920 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 3-1 | 0915 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 3-1 | 0920 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 9-1 | 0915 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 9-1 | 0920 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 10-1 | 0915 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 10-1 | 0920 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 16-1 | 0915 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 16-1 | 0920 | Wed | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 17-1 | 0915 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 17-1 | 0920 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 24-1 | 0915 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 24-1 | 0920 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 31-1 | 0915 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03b | 5371 | 31-1 | 0920 | Thu | Polish intel. | FSK 200/400 | (AB) |
| F03c | 8800 | 4-1 | 0940 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 4-1 | 0945 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 7-1 | 0940 | Mon | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 7-1 | 0945 | Mon | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 11-1 | 0940 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 11-1 | 0945 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 14-1 | 0940 | Mon | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 14-1 | 0945 | Mon | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 18-1 | 0940 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 18-1 | 0945 | Fri | Polish Intel. | FSK 400/960 | (AB) |
| F03c | 8800 | 21-1 | 0940 | Mon | Polish Intel. | FSK 400/960 | (AB) |

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|-------------|-------|------|------|-----|--|--|--------------|------------------|
| F03c | 8800 | 21-1 | 0945 | Mon | Polish Intel. | | FSK 400/960 | (AB) |
| F03c | 8800 | 25-1 | 0940 | Fri | Polish Intel. | | FSK 400/960 | (AB) |
| F03c | 8800 | 25-1 | 0945 | Fri | Polish Intel. | | FSK 400/960 | (AB) |
| F03c | 8800 | 28-1 | 0940 | Mon | Polish Intel. | | FSK 400/960 | (AB) |
| F03c | 8800 | 28-1 | 0945 | Mon | Polish Intel. | | FSK 400/960 | (AB) |
| F06 | 7821 | 1-1 | 0030 | Tue | Russian diplo/intel. 11166 60070 17935 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 6784 | 1-1 | 0040 | Tue | Russian diplo/intel. 11166 60070 17935 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 5749 | 1-1 | 0050 | Tue | Russian diplo/intel. 11166 60070 17935 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 10383 | 1-1 | 1650 | Tue | Russian diplo/intel. 11166 10053 78963 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 9046 | 1-1 | 1700 | Tue | Russian diplo/intel. 11166 10053 78963 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 7313 | 1-1 | 1710 | Tue | Russian diplo/intel. 11166 10053 78963 01001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (Danix) |
| F06 | 18334 | 2-1 | 0800 | Wed | Russian diplo/intel. 11166 70048 51496 02054 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-AUT) |
| F06 | 16346 | 2-1 | 0810 | Wed | Russian diplo/intel. 11166 70048 51496 02054 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-AUT) |
| F06 | 14418 | 2-1 | 0820 | Wed | Russian diplo/intel. 11166 70048 51496 02054 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-AUT) |
| F06 | 12186 | 3-1 | 1330 | Thu | Russian diplo/intel. 11166 80214 82465 03056 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 10243 | 3-1 | 1340 | Thu | Russian diplo/intel. 11166 80214 82465 03056 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 8175 | 3-1 | 1350 | Thu | Russian diplo/intel. 11166 80214 82465 03056 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 16356 | 5-1 | 1100 | Sat | Russian diplo/intel. 11166 50046 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 14359 | 5-1 | 1110 | Sat | Russian diplo/intel. 11166 50046 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 12079 | 5-1 | 1120 | Sat | Russian diplo/intel. 11166 50046 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 20564 | 5-1 | 1500 | Sat | Russian diplo/intel. 11166 40133 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 18471 | 5-1 | 1510 | Sat | Russian diplo/intel. 11166 40133 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 16308 | 5-1 | 1520 | Sat | Russian diplo/intel. 11166 40133 78963 05001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 10378 | 6-1 | 1530 | Sun | Russian diplo/intel. 11166 10053 98214 06065 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 9169 | 6-1 | 1540 | Sun | Russian diplo/intel. 11166 10053 98214 06065 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 7419 | 6-1 | 1550 | Sun | Russian diplo/intel. 11166 10053 98214 06065 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 6926 | 7-1 | 0500 | Mon | Russian diplo/intel. 11166 70059 36874 07021 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS) |
| F06 | 5945 | 7-1 | 0510 | Mon | Russian diplo/intel. 11166 70059 36874 07021 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS) |
| F06 | 4816 | 7-1 | 0520 | Mon | Russian diplo/intel. 11166 70059 36874 07021 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB-RUS) |
| F06 | 7821 | 8-1 | 0030 | Tue | Russian diplo/intel. 11166 60070 35741 08075 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 6784 | 8-1 | 0040 | Tue | Russian diplo/intel. 11166 60070 35741 08075 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 5749 | 8-1 | 0050 | Tue | Russian diplo/intel. 11166 60070 35741 08075 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 10383 | 8-1 | 1650 | Tue | Russian diplo/intel. 11166 10053 17935 08001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 9046 | 8-1 | 1700 | Tue | Russian diplo/intel. 11166 10053 17935 08001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 7313 | 8-1 | 1710 | Tue | Russian diplo/intel. 11166 10053 17935 08001 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB/MPJ) |
| F06 | 18334 | 9-1 | 0800 | Wed | Russian diplo/intel. 11166 70048 29548 09059 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |
| F06 | 16346 | 9-1 | 0810 | Wed | Russian diplo/intel. 11166 70048 29548 09059 00049 00000 00000 00000 00000 | | FSK 200/1000 | (AB) |

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|-----|-------|------|------|-----|--|--------------|------------------|
| F06 | 14418 | 9-1 | 0820 | Wed | Russian diplo/intel. 11166 70048 29548 09059 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19433 | 9-1 | 1015 | Wed | Russian diplo/intel. 11166 10031 78963 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16048 | 9-1 | 1025 | Wed | Russian diplo/intel. 11166 10031 78963 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 14976 | 9-1 | 1035 | Wed | Russian diplo/intel. 11166 10031 78963 09001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19667 | 10-1 | 0900 | Thu | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB-RUS) |
| F06 | 17546 | 10-1 | 0910 | Thu | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 15604 | 10-1 | 0920 | Thu | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 12186 | 10-1 | 1330 | Thu | Russian diplo/intel. 11166 80214 75621 10087 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ) |
| F06 | 10243 | 10-1 | 1340 | Thu | Russian diplo/intel. 11166 80214 75621 10087 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ) |
| F06 | 8175 | 10-1 | 1350 | Thu | Russian diplo/intel. 11166 80214 75621 10087 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 20564 | 12-1 | 1500 | Sat | Russian diplo/intel. 11166 40133 17935 12001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 18471 | 12-1 | 1510 | Sat | Russian diplo/intel. 11166 40133 17935 12001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 16308 | 12-1 | 1520 | Sat | Russian diplo/intel. 11166 40133 17935 12001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 10378 | 13-1 | 1530 | Sun | Russian diplo/intel. 11166 10053 79513 13012 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 9169 | 13-1 | 1540 | Sun | Russian diplo/intel. 11166 10053 79513 13012 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 7419 | 13-1 | 1550 | Sun | Russian diplo/intel. 11166 10053 79513 13012 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 7821 | 15-1 | 0030 | Tue | Russian diplo/intel. 11166 60070 13579 15001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/RL) |
| F06 | 6784 | 15-1 | 0040 | Tue | Russian diplo/intel. 11166 60070 13579 15001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 5749 | 15-1 | 0050 | Tue | Russian diplo/intel. 11166 60070 13579 15001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10383 | 15-1 | 1650 | Tue | Russian diplo/intel. 11166 10053 35790 15069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ-RUS) |
| F06 | 9046 | 15-1 | 1700 | Tue | Russian diplo/intel. 11166 10053 35790 15069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 7313 | 15-1 | 1710 | Tue | Russian diplo/intel. 11166 10053 35790 15069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 18304 | 16-1 | 0610 | Wed | Russian diplo/intel. 11166 40122 62341 16007 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-J) |
| F06 | 16156 | 16-1 | 0620 | Wed | Russian diplo/intel. 11166 40122 62341 16007 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-J) |
| F06 | 18334 | 16-1 | 0800 | Wed | Russian diplo/intel. 11166 70048 59314 16041 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16346 | 16-1 | 0810 | Wed | Russian diplo/intel. 11166 70048 59314 16041 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 14418 | 16-1 | 0820 | Wed | Russian diplo/intel. 11166 70048 59314 16041 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 12186 | 17-1 | 1330 | Thu | Russian diplo/intel. 11166 80214 76054 17066 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ) |
| F06 | 10243 | 17-1 | 1340 | Thu | Russian diplo/intel. 11166 80214 76054 17066 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ) |
| F06 | 8175 | 17-1 | 1350 | Thu | Russian diplo/intel. 11166 80214 76054 17066 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT/MPJ) |
| F06 | 16356 | 19-1 | 1050 | Sat | Russian diplo/intel. Test: 4646464646464646 4646464646464646 | FSK 200/1000 | (AB) |
| F06 | 16356 | 19-1 | 1100 | Sat | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 14359 | 19-1 | 1110 | Sat | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 12079 | 19-1 | 1120 | Sat | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 20564 | 19-1 | 1500 | Sat | Russian diplo/intel. 11166 40133 97531 19038 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 18471 | 19-1 | 1510 | Sat | Russian diplo/intel. 11166 40133 97531 19038 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 16308 | 19-1 | 1520 | Sat | Russian diplo/intel. 11166 40133 97531 19038 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |

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|-----|-------|------|------|-----|---|--------------|-----------|
| F06 | 16356 | 20-1 | 1100 | Sun | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 14359 | 20-1 | 1110 | Sun | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 12079 | 20-1 | 1120 | Sun | Russian diplo/intel. Header: 11166 50046 71843 18069 01969 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10378 | 20-1 | 1530 | Sun | Russian diplo/intel. 11166 10053 17935 20001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 9169 | 20-1 | 1540 | Sun | Russian diplo/intel. 11166 10053 17935 20001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 7419 | 20-1 | 1550 | Sun | Russian diplo/intel. 11166 10053 17935 20001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 6926 | 21-1 | 0500 | Mon | Russian diplo/intel. 11166 70059 17935 21001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 5945 | 21-1 | 0510 | Mon | Russian diplo/intel. 11166 70059 17935 21001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 4816 | 21-1 | 0520 | Mon | Russian diplo/intel. 11166 70059 17935 21001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10383 | 22-1 | 1650 | Tue | Russian diplo/intel. 11166 10053 13579 22001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |
| F06 | 9046 | 22-1 | 1700 | Tue | Russian diplo/intel. 11166 10053 13579 22001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |
| F06 | 7313 | 22-1 | 1710 | Tue | Russian diplo/intel. 11166 10053 13579 22001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |
| F06 | 18304 | 23-1 | 0610 | Wed | Russian diplo/intel. Two messages. Headers: 11166 40122 84351 19013 02909 and 11166 40122 98642 19014 02989 | FSK 200/1000 | (AB-J) |
| F06 | 16156 | 23-1 | 0620 | Wed | Russian diplo/intel. Two messages. Headers: 11166 40122 84351 19013 02909 and 11166 40122 98642 19014 02989 | FSK 200/1000 | (AB-J) |
| F06 | 18334 | 23-1 | 0800 | Wed | Russian diplo/intel. 11166 09103 70048 23001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16346 | 23-1 | 0810 | Wed | Russian diplo/intel. 11166 09103 70048 23001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 14418 | 23-1 | 0820 | Wed | Russian diplo/intel. 11166 09103 70048 23001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19667 | 23-1 | 0900 | Wed | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB-RUS) |
| F06 | 17546 | 23-1 | 0910 | Wed | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 15604 | 23-1 | 0920 | Wed | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 15604 | 23-1 | 0920 | Wed | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 19433 | 23-1 | 1015 | Wed | Russian diplo/intel. 11166 10031 75310 23026 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 16048 | 23-1 | 1025 | Wed | Russian diplo/intel. 11166 10031 75310 23026 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 14976 | 23-1 | 1035 | Wed | Russian diplo/intel. 11166 10031 75310 23026 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 20154 | 24-1 | 0600 | Thu | Russian diplo/intel. Two messages. Headers: 11166 40122 84351 19013 02909 and 11166 40122 98642 19014 02989 | FSK 200/1000 | (AB-J) |
| F06 | 18304 | 24-1 | 0610 | Thu | Russian diplo/intel. Two messages. Headers: 11166 40122 84351 19013 02909 and 11166 40122 98642 19014 02989 | FSK 200/1000 | (AB-J) |
| F06 | 16156 | 24-1 | 0620 | Thu | Russian diplo/intel. Two messages. Headers: 11166 40122 84351 19013 02909 and 11166 40122 98642 19014 02989 | FSK 200/1000 | (AB-J) |
| F06 | 19667 | 24-1 | 0900 | Thu | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB-RUS) |
| F06 | 17546 | 24-1 | 0910 | Thu | Russian diplo/intel. Header: 11166 00052 45896 09036 02669 | FSK 200/1000 | (AB) |
| F06 | 12186 | 24-1 | 1330 | Thu | Russian diplo/intel. 11166 80214 19453 24023 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10243 | 24-1 | 1340 | Thu | Russian diplo/intel. 11166 80214 19453 24023 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8175 | 24-1 | 1350 | Thu | Russian diplo/intel. 11166 80214 19453 24023 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 20564 | 26-1 | 1500 | Sat | Russian diplo/intel. 11166 40133 13579 26001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |
| F06 | 18471 | 26-1 | 1510 | Sat | Russian diplo/intel. 11166 40133 13579 26001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |
| F06 | 16308 | 26-1 | 1520 | Sat | Russian diplo/intel. 11166 40133 13579 26001 00049 00000 00000 00000 00000 | FSK 200/1000 | (MPJ-RUS) |

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|------|-------|------|------|-----|--|--------------|------------------|
| F06 | 10378 | 27-1 | 1530 | Sun | Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 9169 | 27-1 | 1540 | Sun | Russian diplo/intel. 11166 10053 17935 20001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 7419 | 27-1 | 1550 | Sun | Russian diplo/intel. 11166 10053 17935 20001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 7821 | 29-1 | 0030 | Tue | Russian diplo/intel. 11166 60070 17935 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 6784 | 29-1 | 0040 | Tue | Russian diplo/intel. 11166 60070 17935 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 5749 | 29-1 | 0050 | Tue | Russian diplo/intel. 11166 60070 17935 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10383 | 29-1 | 1650 | Tue | Russian diplo/intel. 11166 10053 78963 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 9046 | 29-1 | 1700 | Tue | Russian diplo/intel. 11166 10053 78963 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 7313 | 29-1 | 1710 | Tue | Russian diplo/intel. 11166 10053 78963 29001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 16156 | 30-1 | 0620 | Wed | Russian diplo/intel. Header: 11166 40122 25671 26015 03279 | FSK 200/1000 | (AB-J) |
| F06 | 18334 | 30-1 | 0800 | Wed | Russian diplo/intel. 11166 70048 15386 30053 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16346 | 30-1 | 0810 | Wed | Russian diplo/intel. 11166 70048 15386 30053 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 14418 | 30-1 | 0820 | Wed | Russian diplo/intel. 11166 70048 15386 30053 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 18304 | 31-1 | 0610 | Thu | Russian diplo/intel. Header: 11166 40122 25671 26015 03279 | FSK 200/1000 | (AB-J) |
| F06 | 16156 | 31-1 | 0620 | Thu | Russian diplo/intel. Header: 11166 40122 25671 26015 03279 | FSK 200/1000 | (AB-J) |
| F06 | 12186 | 31-1 | 1330 | Thu | Russian diplo/intel. 11166 80214 12357 31001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10243 | 31-1 | 1340 | Thu | Russian diplo/intel. 11166 80214 12357 31001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 8175 | 31-1 | 1350 | Thu | Russian diplo/intel. 11166 80214 12357 31001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| G06 | 3619 | 7-1 | 1700 | Mon | 145 145 145 00000 | USB | (AB) |
| G06 | 3619 | 7-1 | 1707 | Mon | 111 | USB | (AB) |
| G06 | 4528 | 7-1 | 1800 | Mon | 145 145 145 00000 | USB | (AB) |
| G06 | 4460 | 10-1 | 1300 | Thu | 329 329 329 00000 | USB | (AB/MPJ) |
| G06 | 4519 | 10-1 | 1829 | Thu | 271 968 43 43057 32429 32495 ... 29384 88773 36125 968 43 00000 Windows shutdown sound | USB | (AB/MPJ) |
| G06 | 4792 | 11-1 | 1930 | Fri | 437 968 43 43057 32429 32495 ... 29384 88773 36125 968 43 00000 | USB | (AB/MPJ) |
| G06 | 3624 | 14-1 | 1700 | Mon | 145 145 145 00000 | USB | (AB/HFD) |
| G06 | 3624 | 14-1 | 1707 | Mon | 111 111 111 00000 | USB | (AB) |
| G06 | 4528 | 14-1 | 1800 | Mon | 145 145 145 00000 Windows shutdown sound | USB | (AB/HFD) |
| G06 | 4897 | 16-1 | 1200 | Wed | 145 145 145 00000 | USB | (AB-POL/MPJ) |
| G06 | 4034 | 16-1 | 1300 | Wed | 145 145 145 00000 | USB | (AB-POL/MPJ/HFD) |
| G06 | 5320 | 21-1 | 0800 | Mon | 329 329 329 00000 | USB | (AB-POL) |
| G06 | 4460 | 24-1 | 1300 | Thu | 329 329 329 00000 | USB | (AB) |
| G06 | 4519 | 24-1 | 1830 | Thu | 271 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 00000 | USB | (AB/MPJ) |
| G06 | 4792 | 25-1 | 1930 | Fri | 436 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 00000 | USB | (AB/MPJ) |
| HM01 | 11435 | 1-1 | 1600 | Tue | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11435 | 2-1 | 1600 | Wed | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11435 | 3-1 | 1600 | Thu | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 16180 | 3-1 | 2100 | Thu | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 17480 | 3-1 | 2200 | Thu | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 11435 | 4-1 | 1600 | Fri | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2/BW3) |

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|------|-------|------|------|-----|---|---------|---------------|
| HM01 | 11435 | 5-1 | 1600 | Sat | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 16180 | 5-1 | 2059 | Sat | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 11435 | 6-1 | 1600 | Sun | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11435 | 7-1 | 1600 | Mon | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11435 | 8-1 | 1600 | Tue | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 16180 | 8-1 | 2059 | Tue | 86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 17480 | 8-1 | 2159 | Tue | 86423 20048 70305 81001 03627 64881 (Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 11435 | 9-1 | 1600 | Wed | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11530 | 9-1 | 1658 | Wed | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (BW3) |
| HM01 | 11435 | 10-1 | 1600 | Thu | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 10345 | 11-1 | 0600 | Fri | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 9155 | 11-1 | 1000 | Fri | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RL) |
| HM01 | 11435 | 11-1 | 1600 | Fri | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 11435 | 12-1 | 1600 | Sat | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 9240 | 13-1 | 0900 | Sun | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 11435 | 13-1 | 1600 | Sun | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (RR2) |
| HM01 | 9330 | 14-1 | 0658 | Mon | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 9065 | 14-1 | 0758 | Mon | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 9240 | 14-1 | 0858 | Mon | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 9155 | 14-1 | 0958 | Mon | 86423 20048 70305 81001 03627 64881(Repeating the groups of 3 Nov) | AM/RDFT | (AB) |
| HM01 | 11435 | 14-1 | 1600 | Mon | Breaking in with Radio Havana, and never sending their traffic | AM | (DE) |
| HM01 | 11435 | 14-1 | 1630 | Mon | 58233 88133 85374 86847 62615 47728 | AM/RDFT | (DE/MDK2/RR2) |
| HM01 | 11530 | 14-1 | 1714 | Mon | 58233 88133 85374 86847 62615 47728 Files: 36815823.fig 21328813.txt 78618537.txt 38178684.txt 07226261.txt 17224772.txt | AM/RDFT | (AB/DE) |
| HM01 | 10715 | 14-1 | 2159 | Mon | 58233 88133 85374 86847 62615 47728 | AM/RDFT | (RL) |
| HM01 | 11435 | 15-1 | 1600 | Tue | 8233 88133 85374 86847 62615 47728(Repeating the groups of 14 Jan.) | AM/RDFT | (RR2) |
| HM01 | 11435 | 15-1 | 1630 | Tue | 8233 88133 85374 86847 62615 47728(Repeating the groups of 14 Jan.) | AM/RDFT | (RR2) |
| HM01 | 11435 | 16-1 | 1600 | Wed | 58233 88133 85374 86847 62615 47728(Repeating the groups of 14 Jan) | AM/RDFT | (RR2) |
| HM01 | 11435 | 17-1 | 1610 | Thu | Late start. Already i.p. when started 58233 88133 85374 86847 62615 47728(Repeating the groups of 14 Jan) | AM/RDFT | (RR2) |
| HM01 | 11435 | 18-1 | 1600 | Fri | Carrier, nothing else | AM | (Ret) |
| HM01 | 11435 | 18-1 | 1610 | Fri | Late start. Already i.p. when started 58233 88133 85374 86847 62615 47728(Repeating the groups of 14 Jan) | AM/RDFT | (RR2) |
| HM01 | 11635 | 18-1 | 2100 | Fri | Carrier, nothing else. Also at 2130z | AM | (Ret) |
| HM01 | 11435 | 19-1 | 1600 | Sat | Carrier and repeated UNO. Nothing else. Also at 163z | AM | (RR2) |
| HM01 | 11530 | 19-1 | 1700 | Sat | Carrier and repeated UNO. Nothing else. Also at 1730z | AM | (RR2) |
| HM01 | 11635 | 19-1 | 1800 | Sat | Carrier and repeated UNO. Nothing else. Also at 1830z | AM | (RR2) |
| HM01 | 16180 | 19-1 | 2100 | Sat | Carrier and repeated UNO. Nothing else. Also at 2130z | AM | (RR2) |
| HM01 | 17480 | 19-1 | 2200 | Sat | Carrier and repeated UNO. Nothing else | AM | (RR2) |
| HM01 | 11435 | 20-1 | 1600 | Sun | Carrier, nothing else. Also at 1630z | AM | (RR2) |

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|------|-------|------|------|-----|---|---------|-----------|
| HM01 | 11530 | 20-1 | 1700 | Sun | Carrier, nothing else. Also at 1730z | AM | (RR2) |
| HM01 | 11635 | 20-1 | 1800 | Sun | Carrier, nothing else. Also at 1830z | AM | (RR2) |
| HM01 | 11635 | 20-1 | 2100 | Sun | Carrier, nothing else. Also at 2130z | AM | (RR2) |
| HM01 | 10715 | 20-1 | 2200 | Sun | Carrier, nothing else | AM | (RR2) |
| HM01 | 11435 | 21-1 | 1600 | Mon | 66012 17241 10803 16171 10125 67090 | AM/RDFT | (RR2/DE) |
| HM01 | 11435 | 22-1 | 1600 | Tue | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11435 | 23-1 | 1600 | Wed | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11530 | 23-1 | 1659 | Wed | Radio Habana Cuba before start up. 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (BW3) |
| HM01 | 10715 | 23-1 | 2200 | Wed | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 11435 | 24-1 | 1610 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2/BW3) |
| HM01 | 16180 | 24-1 | 2100 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 17480 | 24-1 | 2200 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 9330 | 25-1 | 0700 | Fri | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 9065 | 25-1 | 0800 | Fri | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 9240 | 25-1 | 0900 | Fri | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 9155 | 25-1 | 1000 | Fri | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 11635 | 25-1 | 1800 | Fri | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11435 | 26-1 | 1600 | Sat | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 16180 | 26-1 | 2058 | Sat | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 17480 | 26-1 | 2158 | Sat | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 9065 | 27-1 | 0828 | Sun | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 9240 | 27-1 | 0900 | Sun | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 11530 | 27-1 | 1700 | Sun | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11635 | 27-1 | 1800 | Sun | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11435 | 29-1 | 1600 | Tue | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 17480 | 29-1 | 2159 | Tue | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 11435 | 30-1 | 1600 | Wed | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (ETD/BW3) |
| HM01 | 11435 | 30-1 | 1600 | Wed | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 11530 | 30-1 | 1703 | Wed | i.p. 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (BW3) |
| HM01 | 11635 | 30-1 | 1808 | Wed | i.p. 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (BW3) |
| HM01 | 11635 | 30-1 | 2059 | Wed | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 12180 | 31-1 | 0958 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (AB) |
| HM01 | 11435 | 31-1 | 1600 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RR2) |
| HM01 | 16180 | 31-1 | 2058 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| HM01 | 17480 | 31-1 | 2158 | Thu | 66012 17241 10803 16171 10125 67090 (repeating the groups of 21 Jan) | AM/RDFT | (RL) |
| M01 | 5810 | 5-1 | 1500 | Sat | 197 321 321 30 30 = = 09676 78829 12966 ... 79948 52420 24022 = = 321 321 30 30 000 | CW | (AB/MPJ) |
| M01 | 5320 | 8-1 | 1800 | Tue | 197 921 921 30 30 = = = 16942 19549 86235 ... 10196 81913 33993 = = = 921 921 30 30 000 | CW | (AB/MPJ) |
| M01 | 5320 | 10-1 | 1800 | Thu | 197 118 118 30 30 = = 94452 89374 95677 ... 57801 21299 25587 = = 118 118 30 30 000 | CW | (MPJ) |
| M01 | 4490 | 10-1 | 2000 | Thu | 197 771 771 = 30 30 = = 65773 69236 45643 ... 04403 81901 12104 = = 771 771 = 30 30 000 | CW | (AB/MPJ) |

| | | | | | | | |
|-------------|--------|------|------|-----|--|-----|--------------|
| M01 | 5810 | 12-1 | 1500 | Sat | 197 123 123 30 30 = = = 77041 80220 79815 ... 14785 (faded) 77 ____ 9 ____ = = = 123 123 30 30 000 | CW | (MPJ) |
| M01 | 5465 | 13-1 | 0700 | Sun | 197 142 142 30 30 = = 98913 71837 68414 ... 15373 25616 35262 = = 142 142 30 30 000 | CW | (AB) |
| M01 | 5320 | 15-1 | 1800 | Tue | 197 678 678 30 30 = = 84370 54021 59615 ... 82080 55014 96188 = = 678 678 30 30 000 | CW | (MPJ) |
| M01 | 4491.3 | 15-1 | 2000 | Tue | 197 197 (?) 30 30 = = 81255 99682 996829 (!) 77196 ... 97089 55169 (?) 15557 (?) = = 197 197 (?) 30 30 000. In 4285 QRM. Freq spurious of 4490 kHz | CW | (MPJ) |
| M01 | 5320 | 17-1 | 1800 | Thu | 197 527 527 30 30 = = 38788 44080 60394 ... 47807 82918 64134 = = 527 527 000 | CW | (MPJ) |
| M01 | 4490 | 17-1 | 2000 | Thu | 197 321 321 30 30 = = 64589 81423 14503 ... 11134 82319 44400 = = 321 321 30 30 0 0 0 | CW | (MPJ) |
| M01 | 5810 | 19-1 | 1500 | Sat | 197 404 30 callup/pbl/start missed) ... 96574 76574 56059 ... 00019 35833 96912 = = 404 404 30 30 000 | CW | (MPJ) |
| M01 | 5465 | 20-1 | 0700 | Sun | 197 970 970 30 30 = = = 15869 67410 11469 ... 64900 66994 12962 = = = 970 970 30 30 000 | CW | (AB) |
| M01 | 5320 | 22-1 | 1800 | Tue | 197 719 719 30 30 = = 65773 69238 45743 ... 04403 81901 12108 = = 719 719 30 30 000 | CW | (MPJ) |
| M01 | 4490 | 22-1 | 2000 | Tue | 197 251 251 30 30 = = 07727 01860 02768 ... 87811 38949 75788 = = 251 251 30 30 000 | CW | (AB/MPJ) |
| M01 | 5320 | 24-1 | 1800 | Thu | 197 352 352 30 30 = = = 32093 13525 65240 ... 75231 49710 14967 = = = 352 352 30 30 000 | CW | (AB/MPJ) |
| M01 | 4490 | 24-1 | 2000 | Thu | 197 312 312 30 30 = = 24206 75123 77099 ... 33468 06788 25626 = = 312 312 30 30 000 | CW | (AB/MPJ) |
| M01 | 5810 | 26-1 | 1500 | Sat | 197 731 731 30 30 = = 15095 05442 62492 ... 01709 07055 70089 = = 731 731 30 30 000 | CW | (MPJ) |
| M01 | 5465 | 27-1 | 0700 | Sun | 197 207 207 30 30 = = 39272 79723 75340 ... 87004 21244 31558 = = 207 207 30 30 000 | CW | (AB-RUS) |
| M01 | 5320 | 29-1 | 1800 | Tue | 197 219 219 30 30 = = 34628 49012 34219 ... 34356 28942 74239 = = 219 219 30 30 000 | CW | (AB-RUS/MPJ) |
| M01 | 4490 | 29-1 | 2000 | Tue | 197 121 121 30 30 = = 21161 34215 71718 ... 28676 32186 13006 = = 121 121 30 30 000 | CW | (MPJ) |
| M01 | 5320 | 31-1 | 1800 | Thu | 197 721 721 30 30 = = 05760 51984 07863 ... 04780 02318 84159 = = 721 721 30 30 000 | CW | (MPJ) |
| M01 | 4490 | 31-1 | 2000 | Thu | 197 301 301 30 30 = = 36505 88275 88805 ... 95258 44580 59058 = = 301 301 30 30 000 | CW | (AB/MPJ) |
| M01b | 2435 | 7-1 | 1918 | Mon | i.p. 53631 07257 95672 ... 52264 02_19 43177 573 573 34 34 000 //3520 kHz | MCW | (MPJ-AUT) |
| M01b | 3520 | 7-1 | 1918 | Mon | i.p. 53631 07257 95672 ... 52264 02_19 43177 573 573 34 34 000 //2435 kHz | MCW | (MPJ-AUT) |
| M01b | 2470 | 10-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3545 kHz | MCW | (MPJ-NOR) |
| M01b | 3545 | 10-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2470 kHz | MCW | (MPJ-NOR) |
| M01b | 2655 | 11-1 | 2002 | Fri | 866 ... too poor to copy //3195 kHz | MCW | (MPJ) |
| M01b | 3195 | 11-1 | 2002 | Fri | 866 ... too poor to copy //2655 kHz | MCW | (MPJ) |
| M01b | 2435 | 14-1 | 1910 | Mon | 853 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3520 kHz | MCW | (MPJ-HOL) |
| M01b | 3520 | 14-1 | 1910 | Mon | 853 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2435 kHz | MCW | (MPJ-HOL) |
| M01b | 2425 | 14-1 | 2015 | Mon | 375 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3205 kHz | MCW | (MPJ-HOL) |
| M01b | 3205 | 14-1 | 2015 | Mon | 375 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2425 kHz | MCW | (MPJ-HOL) |
| M01b | 2470 | 17-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3545 kHz | MCW | (MPJ-HOL) |
| M01b | 3545 | 17-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2470 kHz | MCW | (MPJ-HOL) |
| M01b | 2655 | 18-1 | 2002 | Fri | 866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3195 kHz | MCW | (MPJ-HOL) |
| M01b | 3195 | 18-1 | 2002 | Fri | 866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2655 kHz | MCW | (MPJ-HOL) |
| M01b | 2425 | 21-1 | 2015 | Mon | 375 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3205 kHz | MCW | (MPJ-HOL) |
| M01b | 3205 | 21-1 | 2015 | Mon | 375 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2425 kHz | MCW | (MPJ-HOL) |
| M01b | 2470 | 24-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3545 kHz | MCW | (MPJ-AUT) |
| M01b | 3545 | 24-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2470 kHz | MCW | (MPJ-AUT) |
| M01b | 2655 | 25-1 | 2002 | Fri | 866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3195 kHz | MCW | (MPJ-HOL) |
| M01b | 3195 | 25-1 | 2002 | Fri | 866 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2655 kHz | MCW | (MPJ-HOL) |

| | | | | | | | |
|-------------|-------|------|------|-----|---|-----|---------------|
| M01b | 2435 | 28-1 | 1910 | Mon | 853 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //3520 kHz | MCW | (MPJ-HOL) |
| M01b | 3520 | 28-1 | 1910 | Mon | 853 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 //2435 kHz | MCW | (MPJ-HOL) |
| M01b | 3205 | 28-1 | 2015 | Mon | 375 ... | MCW | (MPJ-CZE) |
| M01b | 3545 | 31-1 | 1932 | Thu | 910 573 573 34 = 34 = 98385 99765 10341 ... 52264 02519 43177 = = 573 573 34 = 34 000 | MCW | (MPJ-HOL) |
| M08a | 8096 | 2-1 | 1405 | Wed | 5LG messages | CW | (SDX) |
| M08a | 8096 | 3-1 | 1356 | Thu | UTIIN WNWNN RRWDA UTIIN WNWNN RRWDA UTIIN WNWNN RRWDA = = = followed by 3 messages | CW | (AB/SDX) |
| M08a | 7555 | 3-1 | 1957 | Thu | too noisy to decode | CW | (CM2-USA) |
| M08a | 8096 | 4-1 | 1354 | Fri | 5LG messages | CW | (SDX) |
| M08a | 8096 | 7-1 | 1354 | Mon | TTUTN NDIDA DRNWN followed by 3 messages | CW | (AB-USA) |
| M08a | 8096 | 8-1 | 1354 | Tue | 5LG messages | CW | (SDX/MDK2) |
| M08a | 8096 | 8-1 | 1400 | Tue | i.p. UIIWN ARGTU KTIDU ... | CW | (ER) |
| M08a | 8135 | 8-1 | 2300 | Tue | 5LG messages | CW | (MDK2) |
| M08a | 8096 | 9-1 | 1354 | Wed | 5LG messages | CW | (SDX) |
| M08a | 8096 | 10-1 | 1354 | Thu | 5LG messages | CW | (SDX) |
| M08a | 7554 | 10-1 | 2000 | Thu | 5LG messages | CW | (MDK2) |
| M08a | 8096 | 11-1 | 1354 | Fri | 5LG messages. Stopped at 1358 UTC | CW | (SDX) |
| M08a | 8096 | 14-1 | 1354 | Mon | AUUAA NIGUA DTNIN followed by 3 messages | CW | (AB-USA/SDX) |
| M08a | 8096 | 15-1 | 1354 | Tue | UNDNN WUAWN RRUGA folowed by 3 messages | CW | (AB-USA/SDX) |
| M08a | 8096 | 16-1 | 1354 | Wed | GTUTN TNADN NUWWA followed by 3 messages | CW | (AB-USA) |
| M08a | 8096 | 17-1 | 1357 | Thu | 5LG messages | CW | (SDX/MDK2) |
| M08a | 8096 | 17-1 | 1357 | Thu | three 5LG messages | CW | (MDK2/SDX/ER) |
| M08a | 8096 | 18-1 | 1402 | Fri | 5LG messages | CW | (SDX) |
| M08a | 8096 | 21-1 | 1355 | Mon | 5LG messages | CW | (SDX) |
| M08a | 8096 | 21-1 | 1359 | Mon | i.p. 3 messages | CW | (AB-USA) |
| M08a | 8096 | 22-1 | 1355 | Tue | 3 messages | CW | (SDX) |
| M08a | 8096 | 23-1 | 1355 | Wed | WAAIA RNgAA IWNDN followed by 3 messages | CW | (AB-USA) |
| M08a | 8096 | 24-1 | 1354 | Thu | three 5LG messages | CW | (SDX) |
| M08a | 8096 | 25-1 | 1402 | Fri | Started while already in progress. 3 messages | CW | (AB-USA) |
| M08a | 8096 | 28-1 | 1359 | Mon | Three messages. The first message was already in progress when the transmission started | CW | (AB-USA/SDX) |
| M08a | 8010 | 28-1 | 2300 | Mon | i.p. TIADWA TIADWA TIADWA TIADWA TIADWA = = = andts guiig iadnw wdgid diidt ... nrran idtun din-nu ngtdw + + + SK | CW | (RL) |
| M08a | 8096 | 29-1 | 1357 | Tue | 3 messages. No preamble but right into the messages | CW | (AB-USA) |
| M08a | 8096 | 30-1 | 1354 | Wed | 3LG messages | CW | (SDX) |
| M08a | 8096 | 31-1 | 1415 | Thu | Message i.p. | CW | (SDX) |
| M12 | 13932 | 2-1 | 1310 | Wed | 951 951 951 000 | CW | (AB) |
| M12 | 13532 | 2-1 | 1330 | Wed | 951 951 951 000 | CW | (AB) |
| M12 | 10547 | 2-1 | 1400 | Wed | 505 505 505 000 | CW | (AB/MPJ/HFD) |
| M12 | 9047 | 2-1 | 1420 | Wed | 505 505 505 000 | CW | (AB/MPJ/HFD) |
| M12 | 6864 | 2-1 | 2050 | Wed | 875 875 875 000 | CW | (AB/HFD) |
| M12 | 5764 | 2-1 | 2110 | Wed | 875 875 875 000 | CW | (AB/HFD) |

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|-----|-------|------|------|-----|---|----|-------------|
| M12 | 5361 | 2-1 | 2200 | Wed | 340 340 340 000 | CW | (HFD) |
| M12 | 4461 | 2-1 | 2220 | Wed | 340 340 340 000 | CW | (HFD) |
| M12 | 13369 | 3-1 | 1010 | Thu | 369 369 369 000 | CW | (AB) |
| M12 | 14669 | 3-1 | 1030 | Thu | 369 369 369 000 | CW | (AB) |
| M12 | 6937 | 3-1 | 2210 | Thu | 975 975 975 000 | CW | (RL) |
| M12 | 5737 | 3-1 | 2230 | Thu | 975 975 975 000 | CW | (RL) |
| M12 | 13932 | 4-1 | 1310 | Fri | 951 951 951 000 | CW | (AB/HFD) |
| M12 | 13532 | 4-1 | 1330 | Fri | 951 951 951 000 | CW | (AB/HFD) |
| M12 | 6864 | 4-1 | 2050 | Fri | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5764 | 4-1 | 2110 | Fri | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5838 | 5-1 | 0600 | Sat | 842 842 842 000 | CW | (AB) |
| M12 | 7438 | 5-1 | 0620 | Sat | 842 842 842 000 | CW | (AB) |
| M12 | 5778 | 5-1 | 2200 | Sat | 771 771 771 000 | CW | (AB/RL) |
| M12 | 6778 | 5-1 | 2220 | Sat | 771 771 771 000 | CW | (AB/RL) |
| M12 | 13369 | 6-1 | 1010 | Sun | 369 369 369 000 | CW | (AB) |
| M12 | 14669 | 6-1 | 1030 | Sun | 369 369 369 000 | CW | (AB) |
| M12 | 10457 | 7-1 | 1400 | Mon | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 9047 | 7-1 | 1420 | Mon | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 7547 | 7-1 | 1440 | Mon | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 6937 | 7-1 | 2210 | Mon | 975 975 975 000 | CW | (AB) |
| M12 | 5737 | 7-1 | 2230 | Mon | 975 975 975 000 | CW | (AB) |
| M12 | 13932 | 9-1 | 1310 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 13532 | 9-1 | 1330 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 10547 | 9-1 | 1400 | Wed | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 9047 | 9-1 | 1420 | Wed | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 7547 | 9-1 | 1440 | Wed | 505 505 505 1 120 167 120 167 18986 77080 17475 ... 61452 76101 02292 000 000 | CW | (AB/MPJ) |
| M12 | 6864 | 9-1 | 2050 | Wed | 875 875 875 000 | CW | (AB) |
| M12 | 5764 | 9-1 | 2110 | Wed | 875 875 875 000 | CW | (AB) |
| M12 | 5361 | 9-1 | 2200 | Wed | 340 340 340 1 9023 83 82499 36182 51569à88178 11609 000 000 | CW | (RL) |
| M12 | 4461 | 9-1 | 2220 | Wed | 340 340 340 1 9023 83 82499 36182 51569à88178 11609 000 000 | CW | (RL) |
| M12 | 4061 | 9-1 | 2240 | Wed | 340 340 340 1 9023 83 82499 36182 51569à88178 11609 000 000 | CW | (RL) |
| M12 | 17472 | 10-1 | 0100 | Thu | 429 429 429 000 | CW | (HFD) |
| M12 | 16272 | 10-1 | 0120 | Thu | 429 429 429 000 | CW | (HFD) |
| M12 | 13369 | 10-1 | 1010 | Thu | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB/HFD) |
| M12 | 14669 | 10-1 | 1030 | Thu | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB/HFD) |
| M12 | 15969 | 10-1 | 1050 | Thu | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB/RL/HFD) |
| M12 | 10343 | 10-1 | 1900 | Thu | 124 124 124 1 2975 117 2975 117 70485 51109 24762 ... 71795 17724 10724 000 000 | CW | (AB/MPJ) |
| M12 | 9264 | 10-1 | 1920 | Thu | 124 124 124 1 2975 117 2975 117 70485 51109 24762 ... 71795 17724 10724 000 000 | CW | (AB/MPJ) |
| M12 | 8116 | 10-1 | 1940 | Thu | 124 124 124 1 2975 117 2975 117 70485 51109 24762 ... 71795 17724 10724 000 000 | CW | (AB/MPJ) |
| M12 | 6937 | 10-1 | 2210 | Thu | 975 975 975 000 | CW | (RL) |

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|-----|-------|------|------|-----|---|----|--------------|
| M12 | 5737 | 10-1 | 2230 | Thu | 975 975 975 000 | CW | (RL) |
| M12 | 13932 | 11-1 | 1310 | Fri | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 13532 | 11-1 | 1330 | Fri | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 6864 | 11-1 | 2050 | Fri | 875 875 875 000 | CW | (AB) |
| M12 | 5764 | 11-1 | 2110 | Fri | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5778 | 11-1 | 2200 | Fri | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB) |
| M12 | 6778 | 11-1 | 2220 | Fri | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB/RL) |
| M12 | 8178 | 11-1 | 2240 | Fri | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB/RL) |
| M12 | 5838 | 12-1 | 0600 | Sat | 842 842 842 1 9023 83 9023 83 82499 36182 51569 ... 17037 88178 11609 000 000 | CW | (AB) |
| M12 | 7438 | 12-1 | 0620 | Sat | 842 842 842 1 9023 83 9023 83 82499 36182 51569 ... 17037 88178 11609 000 000 | CW | (AB) |
| M12 | 9238 | 12-1 | 0640 | Sat | 842 842 842 1 9023 83 9023 83 82499 36182 51569 ... 17037 88178 11609 000 000 | CW | (AB) |
| M12 | 5778 | 12-1 | 2200 | Sat | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB) |
| M12 | 6778 | 12-1 | 2220 | Sat | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB/RL) |
| M12 | 8178 | 12-1 | 2240 | Sat | 771 771 771 1 106 127 106 127 83524 94279 49123 ... 10366 41666 02495 000 000 | CW | (AB/RL) |
| M12 | 13369 | 13-1 | 1010 | Sun | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB) |
| M12 | 14669 | 13-1 | 1030 | Sun | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB) |
| M12 | 15969 | 13-1 | 1050 | Sun | 369 369 369 1 597 107 597 107 85497 93244 06056 ... 29873 92286 84468 000 000 | CW | (AB) |
| M12 | 10547 | 14-1 | 1400 | Mon | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 9047 | 14-1 | 1420 | Mon | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 8047 | 14-1 | 1800 | Mon | 463 463 463 1 8794 91 8794 91 60719 81330 52431 ... 36692 72077 31529 000 000 | CW | (AB) |
| M12 | 6902 | 14-1 | 1820 | Mon | 463 463 463 1 8794 91 8794 91 60719 81330 52431 ... 36692 72077 31529 000 000 | CW | (AB) |
| M12 | 5788 | 14-1 | 1840 | Mon | 463 463 463 1 8794 91 8794 91 60719 81330 52431 ... 36692 72077 31529 000 000 | CW | (AB) |
| M12 | 10343 | 14-1 | 1900 | Mon | 124 124 124 1 4057 106 4057 106 65296 57995 87123 ... 85633 71451 57598 000 000 | CW | (AB/MPJ) |
| M12 | 9264 | 14-1 | 1920 | Mon | 124 124 124 1 4057 106 4057 106 65296 57995 87123 ... 85633 71451 57598 000 000 | CW | (AB/MPJ) |
| M12 | 8116 | 14-1 | 1940 | Mon | 124 124 124 1 4057 106 4057 106 65296 57995 87123 ... 85633 71451 57598 000 000 | CW | (AB) |
| M12 | 6937 | 14-1 | 2210 | Mon | 975 975 975 000 | CW | (AB/RL) |
| M12 | 5737 | 14-1 | 2230 | Mon | 975 975 975 000 | CW | (AB/RL) |
| M12 | 13932 | 16-1 | 1310 | Wed | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 13532 | 16-1 | 1330 | Wed | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 12132 | 16-1 | 1350 | Wed | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 10547 | 16-1 | 1400 | Wed | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 9047 | 16-1 | 1420 | Wed | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 6864 | 16-1 | 2050 | Wed | 875 875 875 000 | CW | (AB) |
| M12 | 5764 | 16-1 | 2110 | Wed | 875 875 875 000 | CW | (AB) |
| M12 | 5361 | 16-1 | 2200 | Wed | 340 340 340 000 | CW | (AB) |
| M12 | 4461 | 16-1 | 2220 | Wed | 340 340 340 000 | CW | (AB) |
| M12 | 13369 | 17-1 | 1010 | Thu | 369 369 369 000 | CW | (AB) |
| M12 | 14669 | 17-1 | 1030 | Thu | 369 369 369 000 | CW | (AB) |
| M12 | 10343 | 17-1 | 1900 | Thu | 124 124 124 1 7626 110 7626 110 09485 88698 03814 ... 56616 28879 96166 000 000 | CW | (AB/MPJ) |
| M12 | 9264 | 17-1 | 1920 | Thu | 124 124 124 1 7626 110 7626 110 09485 88698 03814 ... 56616 28879 96166 000 000 | CW | (AB/MPJ) |

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|-----|-------|------|------|-----|---|----|----------|
| M12 | 8116 | 17-1 | 1940 | Thu | 124 124 124 1 7626 110 7626 110 09485 88698 03814 ... 56616 28879 96166 000 000 | CW | (AB/MPJ) |
| M12 | 5737 | 17-1 | 2230 | Thu | 975 975 975 000 | CW | (AB) |
| M12 | 13932 | 18-1 | 1310 | Fri | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ) |
| M12 | 13532 | 18-1 | 1330 | Fri | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ) |
| M12 | 12132 | 18-1 | 1350 | Fri | 951 951 951 1 8900 145 8900 145 65013 14237 53818 ... 78236 78392 73291 000 000 | CW | (AB/MPJ) |
| M12 | 6864 | 18-1 | 2050 | Fri | 875 875 875 000 | CW | (AB) |
| M12 | 5764 | 18-1 | 2110 | Fri | 875 875 875 000 | CW | (AB) |
| M12 | 5778 | 18-1 | 2200 | Fri | 771 771 771 000 | CW | (AB) |
| M12 | 6778 | 18-1 | 2220 | Fri | 771 771 771 000 | CW | (AB) |
| M12 | 5838 | 19-1 | 0600 | Sat | 842 842 842 000 | CW | (AB) |
| M12 | 7438 | 19-1 | 0620 | Sat | 842 842 842 000 | CW | (AB) |
| M12 | 5778 | 19-1 | 2200 | Sat | 771 771 771 000 | CW | (AB) |
| M12 | 6778 | 19-1 | 2220 | Sat | 771 771 771 000 | CW | (AB) |
| M12 | 13369 | 20-1 | 1010 | Sun | 369 369 369 000 | CW | (AB) |
| M12 | 14669 | 20-1 | 1030 | Sun | 369 369 369 000 | CW | (AB) |
| M12 | 10547 | 21-1 | 1400 | Mon | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 9047 | 21-1 | 1420 | Mon | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 7547 | 21-1 | 1440 | Mon | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 8047 | 21-1 | 1800 | Mon | 463 463 463 1 6910 99 6910 99 19175 72646 56962 ... 61781 19291 49620 000 000 | CW | (AB/MPJ) |
| M12 | 6902 | 21-1 | 1820 | Mon | 463 463 463 1 6910 99 6910 99 19175 72646 56962 ... 61781 19291 49620 000 000 | CW | (AB/MPJ) |
| M12 | 5788 | 21-1 | 1840 | Mon | 463 463 463 1 6910 99 6910 99 19175 72646 56962 ... 61781 19291 49620 000 000 | CW | (AB/MPJ) |
| M12 | 10343 | 21-1 | 1900 | Mon | 124 1 734 44 97694 20944 14047 ... 59250 89469 64791 000 000 | CW | (MPJ) |
| M12 | 9264 | 21-1 | 1920 | Mon | 124 1 734 44 97694 20944 14047 ... 59250 89469 64791 000 000 | CW | (MPJ) |
| M12 | 13932 | 23-1 | 1310 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 13532 | 23-1 | 1330 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 10547 | 23-1 | 1400 | Wed | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 9047 | 23-1 | 1420 | Wed | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 7547 | 23-1 | 1440 | Wed | 505 505 505 1 225 145 225 145 88242 92714 75880 ... 97289 33740 38110 000 000 | CW | (AB/MPJ) |
| M12 | 6864 | 23-1 | 2050 | Wed | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5764 | 23-1 | 2110 | Wed | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5361 | 23-1 | 2200 | Wed | 340 340 340 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 4461 | 23-1 | 2220 | Wed | 340 340 340 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 4061 | 23-1 | 2240 | Wed | 340 340 340 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 13369 | 24-1 | 1010 | Thu | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB) |
| M12 | 14669 | 24-1 | 1030 | Thu | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB) |
| M12 | 15969 | 24-1 | 1050 | Thu | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB) |
| M12 | 10343 | 24-1 | 1900 | Thu | 124 124 124 1 3688 112 3688 112 42801 85455 00333 ... 84127 79242 31591 000 000 | CW | (AB/MPJ) |
| M12 | 9264 | 24-1 | 1920 | Thu | 124 124 124 1 3688 112 3688 112 42801 85455 00333 ... 84127 79242 31591 000 000 | CW | (AB/MPJ) |
| M12 | 8116 | 24-1 | 1940 | Thu | 124 124 124 1 3688 112 3688 112 42801 85455 00333 ... 84127 79242 31591 000 000 | CW | (AB/MPJ) |
| M12 | 6937 | 24-1 | 2210 | Thu | 975 975 975 000 | CW | (AB/RL) |

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|-----|-------|------|------|-----|---|----|----------|
| M12 | 5737 | 24-1 | 2230 | Thu | 975 975 975 000 | CW | (AB/RL) |
| M12 | 13932 | 25-1 | 1310 | Fri | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 13532 | 25-1 | 1330 | Fri | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 6864 | 25-1 | 2050 | Fri | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5764 | 25-1 | 2110 | Fri | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5778 | 25-1 | 2200 | Fri | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (AB/RL) |
| M12 | 6778 | 25-1 | 2220 | Fri | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (AB/RL) |
| M12 | 8178 | 25-1 | 2240 | Fri | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (RL) |
| M12 | 5838 | 26-1 | 0600 | Sat | 842 842 842 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 7438 | 26-1 | 0620 | Sat | 842 842 842 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 9238 | 26-1 | 0640 | Sat | 842 842 842 1 4651 99 4651 99 12014 58717 01995 ... 52653 17664 42650 000 000 | CW | (AB) |
| M12 | 5778 | 26-1 | 2200 | Sat | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (AB/RL) |
| M12 | 6778 | 26-1 | 2220 | Sat | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (AB/RL) |
| M12 | 8178 | 26-1 | 2240 | Sat | 771 771 771 2382 123 2382 123 60073 76711 49975 ... 35896 30063 99233 00344 000 000 | CW | (RL) |
| M12 | 13369 | 27-1 | 1010 | Sun | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB/SP1) |
| M12 | 14669 | 27-1 | 1030 | Sun | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB/SP1) |
| M12 | 15969 | 27-1 | 1050 | Sun | 369 369 369 1 3318 157 3318 157 64154 85156 23933 ... 82810 17482 62462 000 000 | CW | (AB) |
| M12 | 10547 | 28-1 | 1400 | Mon | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 9047 | 28-1 | 1420 | Mon | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 8047 | 28-1 | 1800 | Mon | 463 463 463 1 826 149 826 149 57948 84042 91705 ... 79148 02611 93039 000 000 | CW | (AB/MPJ) |
| M12 | 6902 | 28-1 | 1820 | Mon | 463 463 463 1 826 149 826 149 57948 84042 91705 ... 79148 02611 93039 000 000 | CW | (AB/MPJ) |
| M12 | 5788 | 28-1 | 1840 | Mon | 463 463 463 1 826 149 826 149 57948 84042 91705 ... 79148 02611 93039 000 000 | CW | (AB/MPJ) |
| M12 | 8116 | 28-1 | 2000 | Mon | 124 124 124 1 1508 107 1508 107 01008 18633 57149 ... 25978 49206 61464 000 000 | CW | (AB) |
| M12 | 9064 | 28-1 | 2000 | Mon | 124 124 124 1 1508 107 1508 107 01008 18633 57149 ... 25978 49206 61464 000 000 | CW | (AB/MPJ) |
| M12 | 10343 | 28-1 | 2000 | Mon | 124 124 124 1 1508 107 1508 107 01008 18633 57149 ... 25978 49206 61464 000 000 | CW | (MPJ) |
| M12 | 6937 | 28-1 | 2210 | Mon | 975 975 975 000 | CW | (AB/RL) |
| M12 | 5737 | 28-1 | 2230 | Mon | 975 975 975 000 | CW | (AB/RL) |
| M12 | 13932 | 30-1 | 1310 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 13532 | 30-1 | 1330 | Wed | 951 951 951 000 | CW | (AB/MPJ) |
| M12 | 10547 | 30-1 | 1400 | Wed | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 9047 | 30-1 | 1420 | Wed | 505 505 505 000 | CW | (AB/MPJ) |
| M12 | 6864 | 30-1 | 2050 | Wed | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5764 | 30-1 | 2110 | Wed | 875 875 875 000 | CW | (AB/RL) |
| M12 | 5361 | 30-1 | 2200 | Wed | 340 340 340 000 | CW | (RL) |
| M12 | 4461 | 30-1 | 2220 | Wed | 340 340 340 000 | CW | (RL) |
| M12 | 13369 | 31-1 | 1010 | Thu | 369 369 369 000 | CW | (AB/RL) |
| M12 | 14669 | 31-1 | 1030 | Thu | 369 369 369 000 | CW | (AB/RL) |
| M12 | 10343 | 31-1 | 1900 | Thu | 124 124 124 1 4253 110 4253 110 73168 15297 10050 ... 86873 03476 73749 000 000 | CW | (AB/MPJ) |
| M12 | 9264 | 31-1 | 1920 | Thu | 124 124 124 1 4253 110 4253 110 73168 15297 10050 ... 86873 03476 73749 000 000 | CW | (AB/MPJ) |
| M12 | 8116 | 31-1 | 1940 | Thu | 124 124 124 1 4253 110 4253 110 73168 15297 10050 ... 86873 03476 73749 000 000 | CW | (AB/MPJ) |

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|-----|--------|------|------|-----|---|-----|--------------|
| M12 | 6937 | 31-1 | 2210 | Thu | 975 975 975 000 | CW | (AB) |
| M12 | 5737 | 31-1 | 2230 | Thu | 975 975 975 000 | CW | (AB) |
| M14 | 4813 | 4-1 | 1900 | Fri | 735 735 735 00000 | MCW | (AB) |
| M14 | 4480 | 4-1 | 2000 | Fri | 735 735 735 00000 | MCW | (AB) |
| M14 | 4730 | 5-1 | 0800 | Sat | 523 135 135 43 43 == 46781 90571 37290 ... 63108 90467 38198 == 135 135 43 43 00000 | MCW | (AB) |
| M14 | 4650 | 5-1 | 0900 | Sat | 523 135 135 43 43 == 46781 90571 37290 ... 63108 90467 38198 == 135 135 43 43 00000 | MCW | (AB) |
| M14 | 4636 | 8-1 | 1820 | Tue | 186 432 432 42 42 == 67125 78460 69321 ... 57241 04290 52108 == 432 432 42 42 00000 | MCW | (AB/MPJ) |
| M14 | 4761 | 9-1 | 1920 | Wed | 748 432 432 42 42 == 07125 78460 69321 ... 57241 04290 52108 == 432 432 42 42 00000 | MCW | (MPJ) |
| M14 | 17458 | 10-1 | 0930 | Thu | 617 617 617 00000 | CW | (AB) |
| M14 | 4730 | 12-1 | 0800 | Sat | 523 204 204 48 48 == 47819 28401 39812 ... 37819 28093 33901 == 204 204 48 48 00000 | MCW | (AB-POL) |
| M14 | 4650 | 12-1 | 0900 | Sat | 523 903 903 43 43 == 78142 35271 89356 ... 26713 33678 90351 == 903 903 43 43 00000 | MCW | (AB-POL) |
| M14 | 4443 | 15-1 | 1600 | Tue | 239 239 239 00000 | CW | (HFD) |
| M14 | 18041 | 18-1 | 0500 | Fri | 952 163 163 50 50 == 71519 98584 48335 ... 55883 33410 96246 == 163 163 50 50 00000 | CW | (AB-NZL) |
| M14 | 4813 | 18-1 | 1810 | Fri | Test: 5263 20662 18984 90616 | MCW | (AB) |
| M14 | 4813 | 18-1 | 1826 | Fri | Test: 171 63818 11429 78643 | MCW | (AB) |
| M14 | 4480 | 18-1 | 1900 | Fri | 735 735 735 00000 | CW | (HFD) |
| M14 | 4813 | 18-1 | 1900 | Fri | 735 735 735 00000 | MCW | (AB/MPJ/HFD) |
| M14 | 4813 | 18-1 | 1915 | Fri | Test: 32573 55362 92363 44837 76478 98831 625 | MCW | (AB) |
| M14 | 4480 | 18-1 | 2000 | Fri | 735 735 735 00000 | MCW | (AB/MPJ/HFD) |
| M14 | 4730 | 19-1 | 0800 | Sat | 523 613 613 22 22 == 56745 78675 35712 ... 52638 62865 94735 == 613 613 22 22 00000 | MCW | (AB-POL/HFD) |
| M14 | 4650 | 19-1 | 0900 | Sat | 523 613 613 22 22 == 56745 78675 35712 ... 52638 62865 94735 == 613 613 22 22 00000 | MCW | (AB-POL/HFD) |
| M14 | 4636 | 22-1 | 1820 | Tue | 186 895 895 41 41 == 78231 45178 90251 ... 64278 94689 56123 == 186 186 41 41 00000 | MCW | (MPJ) |
| M14 | 4761 | 23-1 | 1920 | Wed | 748 895 895 41 41 == 78231 45178 90251 ... 64278 94689 56123 == 186 186 41 41 00000 | MCW | (AB/MPJ) |
| M14 | 17458 | 25-1 | 0930 | Fri | 617 617 617 00000 | CW | (AB-RUS) |
| M14 | 4730 | 26-1 | 0800 | Sat | 523 895 895 41 41 == 78231 45178 90251 ... 64278 94689 56123 == 895 895 41 41 00000 | MCW | (AB-POL) |
| M14 | 4730 | 26-1 | 0815 | Sat | 36 29294 64681 86685 02903 82911 56 | MCW | (AB-POL) |
| M14 | 4650 | 26-1 | 0900 | Sat | 523 895 895 41 41 == 78231 45178 90251 ... 64278 94689 56123 == 895 895 41 41 00000 | MCW | (AB-POL) |
| M21 | 4171 | 20-1 | 0836 | Sun | =991136??8???? =991137??8???? =991138??8???? | CW | (F5JBR) |
| M21 | 5860.5 | 20-1 | 0942 | Sun | =991245??0???? =991246??0???? =991247??0???? | CW | (F5JBR) |
| M21 | 4865.5 | 20-1 | 1340 | Sun | =991640??8???? =991641??8???? =991642??8???? | CW | (F5JBR) |
| M21 | 6830.5 | 23-1 | 0758 | Wed | =17301364597855 =27301701080800 =99?1100?9???? | CW | (F5JBR) |
| M21 | 4991.5 | 23-1 | 0804 | Wed | =991104??0???? =991105??0???? =991106??0???? | CW | (F5JBR) |
| M21 | 4349.5 | 23-1 | 1250 | Wed | =991550??0???? =991551??0???? =991552??0???? | CW | (F5JBR) |
| M22 | 4331 | 7-1 | 1749 | Mon | VVV DE 4XZ 4XZ == | CW | (AB) |
| M22 | 6607 | 8-1 | 2355 | Tue | VVV DE 4XZ 4XZ == | CW | (RL) |
| M32 | 12152 | 3-1 | 0807 | Thu | i.p. ...89 48985 00167 99051 53138 04091 19510 30759 95590 60495 25494 79332 65080 42913 81860 56165 94415 90204 13059 86161 90556 03029 K | CW | (AB) |
| M32 | 7678 | 4-1 | 1125 | Fri | XXX XXX MFT5 MFT5 55003 EKIDOPUSK 0020 0842 | CW | (JU) |
| M32 | 7678 | 4-1 | 1131 | Fri | XXX XXX MFT5 MFT5 79990 EKOKOKIJ 4415 6530 | CW | (JU) |
| M32 | 7678 | 4-1 | 1146 | Fri | XXX XXX MFT5 MFT5 16149 WODOZUB 6639 0153 LAePOFETR 1408 2703 | CW | (JU) |

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| M32 | 7678 | 4-1 | 1152 | Fri | XXX XXX MFT5 MFT5 72983 GRIBOBOK 9703 3867 RAZLIWANNYJ 9878 3794 | CW | (JU) |
| M32 | 10168 | 29-1 | 0909 | Tue | i.p. DE KLLR K QTC K KLLR 611 34 29 1213 611 = ZFD 842 = .L9\A\A YGFUC H\ALIX PVLKW ... | CW | (JPL-Sib) |
| M32 | 6791 | 29-1 | 0931 | Tue | i.p. 0201 0207 0208 1700 2901 1800 2901 K | CW | (JPL-Sib) |
| M32 | 7984 | 30-1 | 1030 | Wed | 837 837 837 99391 99391 | CW | (AnEur) |
| M32 | 7984 | 30-1 | 1042 | Wed | 928 928 928 928 94653 94653 | CW | (AB) |
| M32a | 3254 | 25-1 | 1914 | Fri | i.p. RCC DE RLP69 Q.. K RCC QST ZAN ZBW K RLP69 OK QST K VVV RJ160 DE RCC QSA ? K RCC DE RJ160 QSA 1 K RCC QST ZAN ZBW K | CW | (JPL-J) |
| M32b | 8816 | 10-1 | 1226 | Thu | rjc38 rjf94 de 75445 qtr 1223 qth 17200 17128 qbd 0500 k - | CW | (WP3) |
| M41 | 5740 | 20-1 | 1330 | Sun | i.p. J3VT J3VT AR | CW | (F5JBR) |
| M42b | 8181 | 23-1 | 0722 | Wed | J9UZ wkg E6T6: QSY 48193 QSW 48592 | CW | (F5JBR) |
| M42b | 5761 | 23-1 | 0805 | Wed | NCS wkg 1 outstation QTC 6 ZCZ K. XXX FM 85193 FOR 85370 = = 52113 41899 63042 77756 29602 91961 69386 05230 13733 82467 = = | CW | (F5JBR) |
| M42b | 8143 | 23-1 | 0820 | Wed | E6T6 wkg J9UZ: QSY 48193 | CW | (F5JBR) |
| M42b | 3872 | 23-1 | 0940 | Wed | 9SPU wkg F4PG on 4058 kHz. XXX FM 29646 FOR 29483 = = 25759 36924 92497 77097 63864 91511 22622 75511 K | CW | (F5JBR) |
| M42b | 4058 | 23-1 | 0940 | Wed | F4PG replies to 9SPU on 3872 kHz: QTR 53501 53501 WRK QSO QSU K | CW | (F5JBR) |
| M89 | 5177 | 2-1 | 1111 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 4620 | 2-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4860 | CW | (JPL) |
| M89 | 4860 | 2-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4620 | CW | (JPL) |
| M89 | 6840 | 2-1 | 1120 | Wed | [VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 4620 | CW | (JPL) |
| M89 | 5566 | 2-1 | 1201 | Wed | CK 481 64 010 EEEE = T6D6 A657 6344 56A3 ND5U 55TA 3N47 ... | CW | (JPL) |
| M89 | 3842 | 2-1 | 1854 | Wed | VVV (x3) K9S3 (x3) DE Q5R2 (x2) | CW | (JPL) |
| M89 | 3156 | 2-1 | 1857 | Wed | VVV (x3) 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 2-1 | 1857 | Wed | VVV (x3) 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3156 | 3-1 | 1029 | Thu | VVV (x3) 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 3-1 | 1029 | Thu | VVV (x3) 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 5212 | 3-1 | 1037 | Thu | i.p. QSL 1837 K K R OK U GA K R R FF NR 0003/EX CK 1837 = CQ2/.D4 AR | CW | (JPL) |
| M89 | 3156 | 5-1 | 1951 | Sat | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 5-1 | 1951 | Sat | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 5-1 | 1956 | Sat | V K9S3 (x3) DE Q5R2 (x2) | CW | (JPL) |
| M89 | 3842 | 5-1 | 2001 | Sat | V 3D1U (x3) DE G25H (x2) | CW | (JPL) |
| M89 | 6913 | 6-1 | 0219 | Sun | V 3JWV (x3) DE QH4P (x2) i.p. | CW | (JPL) |
| M89 | 8060 | 6-1 | 0243 | Sun | V GKSG (x3) DE FJFA /20/90/X790.. CON HR NR 4020 HR NR 4020 NIL EEEE NIL SK NIL SK VV GKSG (x3) DE FJFA (x3) ... | CW | (JPL) |
| M89 | 6913 | 6-1 | 0925 | Sun | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 6-1 | 0925 | Sun | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 3156 | 6-1 | 0934 | Sun | V 3JWV (x3) DE QH4P (x2) //3597 and 7397 | CW | (JPL) |
| M89 | 3156 | 6-1 | 0934 | Sun | V 3JWV (x3) DE QH4P (x2) //3597 and 4596 | CW | (JPL) |
| M89 | 3597 | 6-1 | 0934 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 7397 | CW | (JPL) |
| M89 | 7397 | 6-1 | 0934 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 3597 | CW | (JPL) |

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| M89 | 3597 | 6-1 | 0949 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 4596 | CW | (JPL) |
| M89 | 4596 | 6-1 | 0949 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 3597 | CW | (JPL) |
| M89 | 4596 | 6-1 | 1005 | Sun | V 3JWV (x3) DE QH4P (x2) = 831/0713/0343/63/69/3504/369/B AR = 831/0713/0343/63/69/3504/369/B AR //3156 and 3597 | CW | (JPL) |
| M89 | 6840 | 6-1 | 1025 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) QSA ? K | CW | (JPL) |
| M89 | 7620 | 6-1 | 1030 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8350 | 6-1 | 1030 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 3842 | 6-1 | 1414 | Sun | V 8FDH (x3) DE 5J9K (x2) | CW | (JPL) |
| M89 | 4952 | 6-1 | 1416 | Sun | V QWS1 (x3) DE 8ZDS (x2) i.p. | CW | (JPL) |
| M89 | 4135 | 6-1 | 1632 | Sun | i.p. NR 02 CK 499 50 0107 0030 = 4U7T 5U56 UD3D AN4A ... | CW | (JPL) |
| M89 | 5177 | 8-1 | 0143 | Tue | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 6913 | 8-1 | 0152 | Tue | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 8-1 | 0152 | Tue | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 7354 | 8-1 | 0218 | Tue | i.p. AR K R HR NR 7.1 K R GB | CW | (JPL) |
| M89 | 6840 | 8-1 | 0220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 10640 | CW | (JPL) |
| M89 | 8290 | 8-1 | 0220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4680 and 10640 | CW | (JPL) |
| M89 | 10640 | 8-1 | 0220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4680 and 8290 | CW | (JPL) |
| M89 | 3156 | 8-1 | 0958 | Tue | V 3JWV (x3) DE QH4P (x2) //3597 and 6913 | CW | (JPL) |
| M89 | 3597 | 8-1 | 0958 | Tue | V 3JWV (x3) DE QH4P (x2) //3156 and 6913 | CW | (JPL) |
| M89 | 6913 | 8-1 | 0958 | Tue | V 3JWV (x3) DE QH4P (x2) //3156 and 3597 | CW | (JPL) |
| M89 | 3842 | 8-1 | 2208 | Tue | V 8FDH (x3) DE 5J9K (x2) | CW | (JPL) |
| M89 | 5920 | 9-1 | 0320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640 | CW | (JPL) |
| M89 | 6840 | 9-1 | 0320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 10640 | CW | (JPL) |
| M89 | 8920 | 9-1 | 0320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 10640 | CW | (JPL) |
| M89 | 10640 | 9-1 | 0320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8920 | CW | (JPL) |
| M89 | 7423 | 9-1 | 0329 | Wed | i.p. AR K R = 85T3 AR K R = UDA6 AR K R = 6N6A AR K R = 6N6A AR K R U 7G GA K R QSL 1134 K SK | CW | (JPL) |
| M89 | 7620 | 9-1 | 0330 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8350 | 9-1 | 0330 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 5177 | 10-1 | 1113 | Thu | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3156 | 10-1 | 1115 | Thu | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 10-1 | 1115 | Thu | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 10-1 | 1116 | Thu | V K9S3 (x3) DE Q5R2 (x2) | CW | (JPL) |
| M89 | 4952 | 10-1 | 1119 | Thu | V QWS1 (x3) DE 87DS (x2) | CW | (JPL) |
| M89 | 4261 | 10-1 | 1136 | Thu | i.p. R QSA 2 K R AS AS VVV VVV PMOK DE BKHL K R QSA 2 K R IEC = 1165 AR K R QSL . K (1142z) | CW | (JPL) |
| M89 | 5177 | 12-1 | 0753 | Sat | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3156 | 12-1 | 0828 | Sat | V 3JWV (x3) DE QH4P (x2) //6913 and 7397 | CW | (JPL) |
| M89 | 6913 | 12-1 | 0828 | Sat | V 3JWV (x3) DE QH4P (x2) //3156 and 7397 | CW | (JPL) |
| M89 | 7397 | 12-1 | 0828 | Sat | V 3JWV (x3) DE QH4P (x2) //3156 and 6913 | CW | (JPL) |
| M89 | 5300 | 12-1 | 0840 | Sat | i.p. 565T TDUT N474 ... R NW 1KNW NW 1KNW DE HSUW HSUW HSW | CW | (JPL) |
| M89 | 4131 | 12-1 | 2036 | Sat | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |

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| M89 | 3156 | 12-1 | 2041 | Sat | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 12-1 | 2041 | Sat | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3156 | 13-1 | 0915 | Sun | V 3JWV (x3) DE QH4P (x2) //3597 and 7397 | CW | (JPL) |
| M89 | 3597 | 13-1 | 0915 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 7397 | CW | (JPL) |
| M89 | 7397 | 13-1 | 0915 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 and 3597 | CW | (JPL) |
| M89 | 5177 | 13-1 | 0927 | Sun | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 6913 | 14-1 | 0718 | Mon | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 14-1 | 0718 | Mon | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 5656 | 14-1 | 0742 | Mon | i.p. R QSL 1530 K K 7G NR 2003 CK 99 46 0114 1530 K K R GA = .U6A 7N3T 4D3U 4N5T 6D7A 7T4D 5A6N 3U5T ... | CW | (JPL) |
| M89 | 5325 | 14-1 | 0753 | Mon | i.p. = = DTN3 AT46 4N3T 36U7 5TNA 75AT ... | CW | (JPL) |
| M89 | 4880 | 14-1 | 0757 | Mon | i.p. T357 7345 33UA 7TAD TAT7 NATU U3U3 ... | CW | (JPL) |
| M89 | 3842 | 14-1 | 1116 | Mon | V K9S3 (x3) DE Q5R2 (x2) //4135 | CW | (JPL) |
| M89 | 4135 | 14-1 | 1116 | Mon | V K9S3 (x3) DE Q5R2 (x2) //3842 | CW | (JPL) |
| M89 | 4720 | 14-1 | 1230 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K (Hand sent) // 5150 | CW | (JPL) |
| M89 | 5150 | 14-1 | 1230 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 3156 | 14-1 | 1422 | Mon | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 14-1 | 1422 | Mon | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3385 | 14-1 | 2130 | Mon | i.p. T7N4 6UAA 3A5A DTUU ... | CW | (JPL) |
| M89 | 4620 | 14-1 | 2320 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920 and 6840 | CW | (JPL) |
| M89 | 4860 | 14-1 | 2320 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 5920 and 6840 | CW | (JPL) |
| M89 | 5920 | 14-1 | 2320 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 6840 | CW | (JPL) |
| M89 | 6840 | 14-1 | 2320 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 | CW | (JPL) |
| M89 | 3156 | 15-1 | 1536 | Tue | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 15-1 | 1536 | Tue | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 15-1 | 1539 | Tue | V K9S3 (x3) DE Q5R2 (x2) //4135 | CW | (JPL) |
| M89 | 4135 | 15-1 | 1539 | Tue | V K9S3 (x3) DE Q5R2 (x2) //3842 | CW | (JPL) |
| M89 | 4131 | 16-1 | 1709 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3156 | 16-1 | 1711 | Wed | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 16-1 | 1711 | Wed | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 4131 | 18-1 | 1502 | Fri | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3156 | 18-1 | 1521 | Fri | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 18-1 | 1521 | Fri | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 18-1 | 1523 | Fri | V K9S3 (x3) DE Q5R2 (x2) //4135 | CW | (JPL) |
| M89 | 4135 | 18-1 | 1523 | Fri | V K9S3 (x3) DE Q5R2 (x2) //3842 | CW | (JPL) |
| M89 | 3156 | 19-1 | 0952 | Sat | V 3JWV de QH4P | CW | (F5JBR-J) |
| M89 | 3597 | 19-1 | 0958 | Sat | V 3JWV de QH4P //3156 kHz | CW | (F5JBR-J) |
| M89 | 3842 | 20-1 | 1244 | Sun | V 8FDH de 5J9K | CW | (F5JBR-J) |
| M89 | 3156 | 20-1 | 1726 | Sun | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 20-1 | 1726 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |

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| M89 | 5660 | 21-1 | 0316 | Mon | i.p. T56U TA77 3T6U T7TD AAD5 ... | CW | (JPL) |
| M89 | 5858 | 21-1 | 0326 | Mon | V 8FDH (x3) DE 5J9K (x2) | CW | (JPL) |
| M89 | 6913 | 21-1 | 0330 | Mon | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 21-1 | 0330 | Mon | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 3842 | 21-1 | 1218 | Mon | V 8FDH (x3) DE 5J9K (x2) //4135 | CW | (JPL) |
| M89 | 4135 | 21-1 | 1218 | Mon | V K9S3 (x3) DE Q5R2 (x2) //3842 | CW | (JPL) |
| M89 | 3156 | 21-1 | 1228 | Mon | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 21-1 | 1228 | Mon | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3198 | 21-1 | 1510 | Mon | i.p. A375 6A6A 6T63 5DTD ... AR K | CW | (JPL) |
| M89 | 3125 | 21-1 | 1514 | Mon | i.p. A4T5 4AD3 N54T 756N U55T ... | CW | (JPL) |
| M89 | 3025 | 21-1 | 1516 | Mon | i.p. 473D 36T4 U6A4 56TU A5D4 ... | CW | (JPL) |
| M89 | 6666 | 22-1 | 1118 | Tue | i.p. 547A 6353 D7TD DA75 34A5 ... | CW | (JPL) |
| M89 | 4620 | 22-1 | 1120 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840 | CW | (JPL) |
| M89 | 4860 | 22-1 | 1120 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840 | CW | (JPL) |
| M89 | 6840 | 22-1 | 1120 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 | CW | (JPL) |
| M89 | 4720 | 22-1 | 1130 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 22-1 | 1130 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 3842 | 22-1 | 1200 | Tue | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 4135 | 22-1 | 1200 | Tue | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 3156 | 22-1 | 1206 | Tue | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 22-1 | 1206 | Tue | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3776 | 22-1 | 1207 | Tue | i.p. 2P = 5TN4 D6A3 U566 4DNA ... | CW | (JPL) |
| M89 | 4620 | 22-1 | 1220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920 and 6840 | CW | (JPL) |
| M89 | 4860 | 22-1 | 1220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 5920 and 6840 | CW | (JPL) |
| M89 | 5920 | 22-1 | 1220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 6840 | CW | (JPL) |
| M89 | 6840 | 22-1 | 1220 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 | CW | (JPL) |
| M89 | 3112 | 22-1 | 1228 | Tue | i.p. 3U54 UAN5 543D 4N34 65N7 7NUA ... | CW | (JPL) |
| M89 | 4720 | 22-1 | 1230 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 22-1 | 1230 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 6913 | 23-1 | 0723 | Wed | V 8FDH DE QH4P //7397 kHz | CW | (F5JBR-J) |
| M89 | 7397 | 23-1 | 0750 | Wed | V 8FDH DE QH4P //6913 kHz | CW | (F5JBR-J) |
| M89 | 4329 | 23-1 | 1052 | Wed | JTZG i.p. NR 138/EX 1847 = F2Q/DE AR SK | CW | (F5JBR-J) |
| M89 | 5177 | 23-1 | 1100 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 3156 | 23-1 | 1106 | Wed | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 23-1 | 1106 | Wed | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 23-1 | 1108 | Wed | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 4135 | 23-1 | 1108 | Wed | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 4620 | 23-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920 and 6840 | CW | (JPL) |
| M89 | 4860 | 23-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 5920 and 6840 | CW | (JPL) |
| M89 | 5920 | 23-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 6840 | CW | (JPL) |

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| M89 | 6840 | 23-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 | CW | (JPL) |
| M89 | 6840 | 23-1 | 1120 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 | CW | (JPL) |
| M89 | 4720 | 23-1 | 1130 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 23-1 | 1130 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 4135 | 23-1 | 1251 | Wed | V K9S3 DE Q5R2 | CW | (F5JBR-J) |
| M89 | 3842 | 23-1 | 1300 | Wed | V 8FDH DE 5J9K | CW | (F5JBR-J) |
| M89 | 3156 | 23-1 | 1302 | Wed | V 3JWV DE QH4P //3587 kHz | CW | (F5JBR-J) |
| M89 | 3597 | 23-1 | 1302 | Wed | V 3JWV DE QH4P //3156 kHz | CW | (F5JBR-J) |
| M89 | 3523 | 23-1 | 1759 | Wed | i.p. AR QSL ? RPT R R GA PSE MSG GA R R GA GA CQ R R GA | CW | (JPL) |
| M89 | 4620 | 23-1 | 1820 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840 | CW | (JPL) |
| M89 | 4860 | 23-1 | 1820 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840 | CW | (JPL) |
| M89 | 4720 | 23-1 | 1830 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 23-1 | 1830 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 3688 | 23-1 | 1835 | Wed | i.p. 1P 01W = TUV7 6T5A 5NUN UNDU D656 D67T A57D DTDU TUA6 TTTD K R 11 = 6D7A 56DA 367D 3TD5 A53A DUN6 76AD ... | CW | (JPL) |
| M89 | 4131 | 23-1 | 2310 | Wed | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 6913 | 23-1 | 2318 | Wed | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 23-1 | 2318 | Wed | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 4620 | 23-1 | 2320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920 and 6840 | CW | (JPL) |
| M89 | 4860 | 23-1 | 2320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 5920 and 6840 | CW | (JPL) |
| M89 | 5920 | 23-1 | 2320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 6840 | CW | (JPL) |
| M89 | 6840 | 23-1 | 2320 | Wed | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 | CW | (JPL) |
| M89 | 4720 | 23-1 | 2330 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 5150 | 23-1 | 2330 | Wed | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 5920 | 24-1 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640 | CW | (JPL) |
| M89 | 6840 | 24-1 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 10640 | CW | (JPL) |
| M89 | 8290 | 24-1 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 10640 | CW | (JPL) |
| M89 | 10640 | 24-1 | 0820 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 | CW | (JPL) |
| M89 | 7620 | 24-1 | 0830 | Thu | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8350 | 24-1 | 0830 | Thu | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 5518 | 24-1 | 0835 | Thu | i.p. RMKS 7076 TO 7070 TO 71.82 TO 7043 TO 7006 TO 2489 TO 7003 TO 7076 K = 4DU 34.U 7NA4 UD4 TU47 T7AT ... | CW | (JPL) |
| M89 | 5858 | 24-1 | 0835 | Thu | V 8FDH (x3) DE 5J9K (x2) / | CW | (JPL) |
| M89 | 6913 | 24-1 | 0837 | Thu | V 3JWV (x3) DE QH4P (x2) //7397 | CW | (JPL) |
| M89 | 7397 | 24-1 | 0837 | Thu | V 3JWV (x3) DE QH4P (x2) //6913 | CW | (JPL) |
| M89 | 3156 | 25-1 | 1848 | Fri | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 25-1 | 1848 | Fri | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3135 | 25-1 | 1851 | Fri | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 3842 | 25-1 | 1851 | Fri | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 3156 | 27-1 | 1544 | Sun | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |

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| M89 | 3597 | 27-1 | 1544 | Sun | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3842 | 27-1 | 1547 | Sun | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 4135 | 27-1 | 1547 | Sun | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 3379 | 27-1 | 1553 | Sun | i.p. D53T 4D3T 3ND6 U56N 44TD III K 3P 1W BT T4N3 47T7 3A45 D4UN ... | CW | (JPL) |
| M89 | 3842 | 28-1 | 1159 | Mon | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 4135 | 28-1 | 1159 | Mon | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 3156 | 28-1 | 1201 | Mon | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 28-1 | 1201 | Mon | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3201 | 28-1 | 1206 | Mon | i.p. FF NR 089... 209 1W 5152 TO 5991 = DWTJ. III = WK3Z.. R AR K R QSL ..003 K R .. K RPT K R LL TO HR K | CW | (JPL) |
| M89 | 3269 | 28-1 | 1224 | Mon | i.p. 7T45 534D 35AN | CW | (JPL) |
| M89 | 3219 | 28-1 | 1227 | Mon | i.p. RMKS 3934 TO 8834 K R RPT M 2020 K R = 734U TAN7 N46N 37UT TN6U T5A6 AT4A N6N4 TTTU TTTA ... | CW | (JPL) |
| M89 | 3025 | 28-1 | 1231 | Mon | i.p. R = 65T3 635A .. D4 N4UD N6DT ... | CW | (JPL) |
| M89 | 4131 | 28-1 | 1245 | Mon | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 5131 | 29-1 | 0911 | Tue | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M89 | 6913 | 29-1 | 0929 | Tue | V 3JWV (x3) DE QH4P (x2) | CW | (JPL) |
| M89 | 3095 | 29-1 | 1507 | Tue | i.p. D6N7 3545 UTD3 6AA6 7ATD NN3U | CW | (JPL) |
| M89 | 3347 | 29-1 | 1510 | Tue | i.p. R BT A3UN 6A6N 5U67 74A5 ... | CW | (JPL) |
| M89 | 3156 | 29-1 | 1512 | Tue | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3597 | 29-1 | 1512 | Tue | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3201 | 29-1 | 1520 | Tue | i.p. AN53 3ANU 75D3 4A6T | CW | (JPL) |
| M89 | 3729 | 29-1 | 1524 | Tue | i.p. 4TU6 NAAU AR K | CW | (JPL) |
| M89 | 3773 | 29-1 | 1535 | Tue | i.p. U44T T34N U3UD 543T ... AR K R QSL 0035 K | CW | (JPL) |
| M89 | 3156 | 31-1 | 1211 | Thu | V 3JWV (x3) DE QH4P (x2) //3597 | CW | (JPL) |
| M89 | 3189 | 31-1 | 1211 | Thu | i.p. D3UN A36A 4A3T A34. ... | CW | (JPL) |
| M89 | 3597 | 31-1 | 1211 | Thu | V 3JWV (x3) DE QH4P (x2) //3156 | CW | (JPL) |
| M89 | 3590 | 31-1 | 1213 | Thu | i.p. 0131 2012 RMKS 574. TO 5008 = SDD/3 AR R QSL 2013 K | CW | (JPL) |
| M89 | 3842 | 31-1 | 1221 | Thu | V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip | CW | (JPL) |
| M89 | 4135 | 31-1 | 1221 | Thu | V K9S3 (x3) DE Q5R2 (x2) //3842 sending different round slip | CW | (JPL) |
| M89 | 4102 | 31-1 | 1234 | Thu | i.p. VV CK4W DE CG9T K VV 8MPZ DE CG9T K VV HIR7 DE CG9T K VV JOMX DE CG9T K | CW | (JPL) |
| M89 | 4131 | 31-1 | 2029 | Thu | V JKDJ (x3) DE SLBC (x2) | CW | (JPL) |
| M95 | 5801 | 2-1 | 1116 | Wed | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 5555 | 2-1 | 1127 | Wed | i.p. 05 05 000 05 05 05 05 05 | CW | (JPL) |
| M95 | 4243 | 2-1 | 1131 | Wed | i.p. AR A HR 7G GA NR 0.. CK 23 35 0103 1634 = | CW | (JPL) |
| M95 | 4364 | 2-1 | 1142 | Wed | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0012 CK 43 35 0102 1547 = TTA N5U TTU... //8073 | CW | (JPL) |
| M95 | 8073 | 2-1 | 1142 | Wed | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0012 CK 43 35 0102 1547 = TTA N5U TTU... //8073 | CW | (JPL) |
| M95 | 5801 | 3-1 | 1054 | Thu | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 3-1 | 1054 | Thu | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 4364 | 3-1 | 1143 | Thu | (XSV85 i.p. NR 0016 CK 339 35 0103 1618 = TT3 3U6 3AN 3U7 TAU 773 TA7 773 ... //8073 | CW | (JPL) |

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|-----|-------|------|------|-----|--|----|-------|
| M95 | 8073 | 3-1 | 1143 | Thu | XSV85 i.p. NR 0016 CK 339 35 0103 1618 = TT3 3U6 3AN 3U7 TAU 773 TA7 773 ... //4364 | CW | (JPL) |
| M95 | 3642 | 5-1 | 1947 | Sat | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 5-1 | 1947 | Sat | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 5801 | 6-1 | 0201 | Sun | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 6-1 | 0201 | Sun | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 10180 | 6-1 | 0921 | Sun | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 7602 | 6-1 | 1408 | Sun | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 3642 | 8-1 | 0140 | Tue | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 8-1 | 0140 | Tue | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 10180 | 8-1 | 0952 | Tue | (i.p. NR 01W AR QSL ? HR WK NR 050 V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 5801 | 10-1 | 1111 | Thu | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 10-1 | 1111 | Thu | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 4364 | 10-1 | 1142 | Thu | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0038 CK 23 35 0110 1614 = TTA N5U TAT N53 ... //8073 | CW | (JPL) |
| M95 | 8073 | 10-1 | 1142 | Thu | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0038 CK 23 35 0110 1614 = TTA N5U TAT N53 ... //4364 | CW | (JPL) |
| M95 | 4243 | 10-1 | 1149 | Thu | i.p. NR 006 CK 28 35 0110 1533 = 5AA UTT T.A 3U6 (Cont'd) | CW | (JPL) |
| M95 | 10180 | 12-1 | 0749 | Sat | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 4980 | 12-1 | 0756 | Sat | i.p. VVV V GTUI DE GMQ. K BWAHY.. (Both stations on this frequency) | CW | (JPL) |
| M95 | 3642 | 12-1 | 2038 | Sat | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 12-1 | 2038 | Sat | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 5801 | 13-1 | 0929 | Sun | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 13-1 | 0929 | Sun | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 10180 | 14-1 | 0700 | Mon | V DKG6 DE 3A7D SVC GA NR 041 1500 RMKS .319 TO 6873 = COMM/1530/XXZ887/82/5317/6873 AR QSL .. 050 | CW | (JPL) |
| M95 | 3642 | 14-1 | 1404 | Mon | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 14-1 | 1404 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 15-1 | 1530 | Tue | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 15-1 | 1530 | Tue | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 16-1 | 1705 | Wed | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 16-1 | 1705 | Wed | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 17-1 | 1542 | Thu | V DKG6 (x3) DE 3A7D (x2) A HR 7G NR ..55/CCK CK 99 19 0117 2355 = AU.U ND.. //7602 | CW | (JPL) |
| M95 | 7602 | 17-1 | 1542 | Thu | V DKG6 (x3) DE 3A7D (x2) A HR 7G NR ..55/CCK CK 99 19 0117 2355 = AU.U ND.. //3642 | CW | (JPL) |
| M95 | 3642 | 18-1 | 1500 | Fri | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 18-1 | 1500 | Fri | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 20-1 | 1717 | Sun | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 20-1 | 1717 | Sun | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 10180 | 21-1 | 0310 | Mon | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 4364 | 21-1 | 1139 | Mon | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0113 CK 35 35 0131 15.. = | CW | (JPL) |
| M95 | 4364 | 21-1 | 1142 | Mon | BNGC DE XSV85 HR MSGS GA PSE CY NR 0078 CK 44 35 0121 1713 = TTA N5U TUA N53 TAD ... | CW | (JPL) |

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|-------------|---------|------|------|-----|---|----|----------|
| M95 | 4243 | 21-1 | 1148 | Mon | V NR 048 CK 35 35 0131 1533 = 5AA UTT T3A 3U6 3A4 TTU TT3 773 35A U4T ... | CW | (JPL) |
| M95 | 4243 | 21-1 | 1153 | Mon | VV HR 7G TO YR PSE CY NR 028 CK 21 35 0121 1530 = 5AA UTT TUA 4U6 3A4 ... | CW | (JPL) |
| M95 | 5801 | 21-1 | 1205 | Mon | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| M95 | 3642 | 21-1 | 1225 | Mon | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 21-1 | 1225 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 21-1 | 2025 | Mon | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 21-1 | 2025 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 4243 | 22-1 | 1141 | Tue | VV HR 7G TO YR PSE CY NR 030 CK 44 35 0122 1537 = 5AA UTT TU5 3U6 3A4 ... | CW | (JPL) |
| M95 | 5801 | 22-1 | 1157 | Tue | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 22-1 | 1157 | Tue | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 5801 | 23-1 | 1102 | Wed | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 23-1 | 1102 | Wed | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 8073 | 23-1 | 1142 | Wed | V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0086 CK 360 35 0AU 16.. = TU3 4U6 3AN 3U7 TAU 773 356 4T3 ... | CW | (JPL) |
| M95 | 3642 | 23-1 | 2313 | Wed | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 23-1 | 2313 | Wed | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 4243 | 23-1 | 2348 | Wed | HR MSG TO YR PSE CY NR 037 CK .8 35 0124 0552 = UT5 TU4 3U4 3A4 TTA ... | CW | (JPL) |
| M95 | 4243 | 24-1 | 0001 | Thu | i.p. MSG AGN NR 47 CK 151 35 0124 0718 = UTU TU4 3U4 3A5 7TU 7TA NU6 ... | CW | (JPL) |
| M95 | 3642 | 25-1 | 1845 | Fri | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 25-1 | 1845 | Fri | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 5801 | 27-1 | 1153 | Sun | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 27-1 | 1153 | Sun | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 3642 | 27-1 | 1538 | Sun | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 27-1 | 1538 | Sun | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 3642 | 27-1 | 1934 | Sun | V DKG6 (x3) DE 3A7D (x2) //7602 | CW | (JPL) |
| M95 | 7602 | 27-1 | 1934 | Sun | V DKG6 (x3) DE 3A7D (x2) //3642 | CW | (JPL) |
| M95 | 5801 | 29-1 | 0915 | Tue | V DKG6 (x3) DE 3A7D (x2) //10180 | CW | (JPL) |
| M95 | 10180 | 29-1 | 0915 | Tue | V DKG6 (x3) DE 3A7D (x2) //5801 | CW | (JPL) |
| M95 | 3642 | 29-1 | 1517 | Tue | V DKG6 (x3) DE 3A7D (x2) | CW | (JPL) |
| MC03 | 5139 | 11-1 | 1511 | Fri | 4D4 UT7DDT DT6T5DU T4N TN 4DD UAA645 TN 4D4 4TA635 DU4443 TN4 U3TN | CW | (Token) |
| MX | 5156.8 | 20-1 | 1036 | Sun | Beacon L, St Petersburg | CW | (F5JBR) |
| MX | 6337 | 20-1 | 1036 | Sun | Beacon L, St Petersburg | CW | (F5JBR) |
| MX | 13528.1 | 31-1 | 0630 | Thu | Beacon A, Astrakhan | CW | (AB-J) |
| MX | 13528.4 | 31-1 | 0630 | Thu | Beacon M, Magadan | CW | (AB-J) |
| MX | 8495.3 | 31-1 | 0632 | Thu | Beacon T. Possibly a malfunctioning K | CW | (AB-J) |
| MX | 8495.4 | 31-1 | 0632 | Thu | Beacon M, Magadan | CW | (AB-J) |
| MX | 8495.9 | 31-1 | 0632 | Thu | Beacon F, Vladivostok (off freq) | CW | (AB-J) |
| MX | 7078.2 | 31-1 | 0635 | Thu | Beacon F, Vladivostok | CW | (AB-J) |
| MX | 5156.8 | 31-1 | 1045 | Thu | Beacon L, St Petersburg | CW | (AB-RUS) |
| MX | 10872.1 | 31-1 | 1049 | Thu | Beacon A, Arkhangelsk | CW | (AB) |

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|-------------|---------|------|------|-----|-----------------------|---------|--------------|
| MX | 13528 | 31-1 | 1049 | Thu | Beacon C, Moscow | CW | (AB) |
| MX | 13528.1 | 31-1 | 1049 | Thu | Beacon A, Arkhangelsk | CW | (AB) |
| MX | 16331.9 | 31-1 | 1049 | Thu | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 16332 | 31-1 | 1049 | Thu | Beacon C, Moscow | CW | (AB) |
| MX | 16332.1 | 31-1 | 1049 | Thu | Beacon A, Arkhangelsk | CW | (AB) |
| MX | 13527.9 | 31-1 | 1214 | Thu | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 10871.7 | 31-1 | 1216 | Thu | Beacon D, Sevastopol | CW | (AB) |
| MX | 10871.9 | 31-1 | 1216 | Thu | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 13527.7 | 31-1 | 1216 | Thu | Beacon D, Sevastopol | CW | (AB) |
| MX | 7508.7 | 31-1 | 1217 | Thu | Beacon D, Sevastopol | CW | (AB) |
| MX | 7509.1 | 31-1 | 1217 | Thu | Beacon A, Arkhangelsk | CW | (AB) |
| P03a | 16335 | 1-1 | 1140 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 1-1 | 1145 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 2-1 | 1225 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 2-1 | 1230 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 2-1 | 1435 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 2-1 | 1440 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 2-1 | 1500 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 2-1 | 1505 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 3-1 | 1415 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 3-1 | 1420 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 4-1 | 1440 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 4-1 | 1445 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 4-1 | 1500 | Fri | Polish intel. | BPSK-63 | (AB/BW3-HOL) |
| P03a | 8680 | 4-1 | 1505 | Fri | Polish intel. | BPSK-63 | (AB/BW3-HOL) |
| P03a | 11100 | 4-1 | 1635 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 4-1 | 1640 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 5-1 | 1140 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 5-1 | 1145 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 5-1 | 1225 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 5-1 | 1230 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 5-1 | 1435 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 5-1 | 1440 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 5-1 | 1500 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 5-1 | 1505 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 6-1 | 1410 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 6-1 | 1415 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 6-1 | 1440 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 6-1 | 1445 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 6-1 | 1500 | Sun | Polish intel. | BPSK-63 | (AB) |

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|------|-------|------|------|-----|---------------|---------|------|
| P03a | 8680 | 6-1 | 1505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 6-1 | 1725 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 6-1 | 1730 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 7-1 | 1410 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 7-1 | 1415 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 8-1 | 1140 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 8-1 | 1145 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 9-1 | 1225 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 9-1 | 1230 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 9-1 | 1435 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 9-1 | 1440 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 9-1 | 1500 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 9-1 | 1505 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 11-1 | 1500 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 11-1 | 1505 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 12-1 | 1500 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 12-1 | 1505 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 13-1 | 0500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 13-1 | 0505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 13-1 | 1410 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 13-1 | 1415 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 13-1 | 1500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 13-1 | 1505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 13-1 | 1725 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 13-1 | 1730 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 14-1 | 1410 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 14-1 | 1415 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 14-1 | 1635 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 14-1 | 1640 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 15-1 | 1415 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 15-1 | 1420 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 15-1 | 1725 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 15-1 | 1730 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 16-1 | 1225 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 16-1 | 1230 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 16-1 | 1435 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 16-1 | 1440 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 16-1 | 1500 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 16-1 | 1505 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 14975 | 16-1 | 1600 | Wed | Polish intel. | BPSK-63 | (AB) |

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|------|-------|------|------|-----|---------------|---------|------|
| P03a | 14975 | 16-1 | 1605 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 17-1 | 1415 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 17-1 | 1420 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 18-1 | 1500 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 18-1 | 1505 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 18-1 | 1635 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 18-1 | 1640 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 19-1 | 1140 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 19-1 | 1145 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 19-1 | 1225 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 19-1 | 1230 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 19-1 | 1435 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 19-1 | 1440 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 19-1 | 1500 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 19-1 | 1505 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 20-1 | 0500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 20-1 | 0505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 20-1 | 1500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 20-1 | 1505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 20-1 | 1725 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 20-1 | 1730 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 21-1 | 1410 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 21-1 | 1415 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 22-1 | 1140 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 22-1 | 1145 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 22-1 | 1415 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 22-1 | 1420 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 23-1 | 1225 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 23-1 | 1230 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 23-1 | 1435 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 23-1 | 1440 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 23-1 | 1500 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 23-1 | 1505 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 14975 | 23-1 | 1600 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 14975 | 23-1 | 1605 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 24-1 | 1415 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 24-1 | 1420 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 25-1 | 1440 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 25-1 | 1445 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 25-1 | 1500 | Fri | Polish intel. | BPSK-63 | (AB) |

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|------|-------|------|------|-----|---------------|---------|------|
| P03a | 8680 | 25-1 | 1505 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 25-1 | 1635 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 25-1 | 1640 | Fri | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 26-1 | 0500 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 26-1 | 0505 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 26-1 | 1140 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 16335 | 26-1 | 1145 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 26-1 | 1225 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 26-1 | 1230 | Sat | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 27-1 | 0500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 27-1 | 0505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 27-1 | 1410 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 27-1 | 1415 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 27-1 | 1440 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 16112 | 27-1 | 1445 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 27-1 | 1500 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 8680 | 27-1 | 1505 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 27-1 | 1725 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 27-1 | 1730 | Sun | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 28-1 | 1410 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 13470 | 28-1 | 1415 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 28-1 | 1635 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 11100 | 28-1 | 1640 | Mon | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 29-1 | 1415 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 29-1 | 1420 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 29-1 | 1725 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 5371 | 29-1 | 1730 | Tue | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 30-1 | 1225 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 10487 | 30-1 | 1230 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 30-1 | 1435 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 6986 | 30-1 | 1440 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 30-1 | 1500 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 13873 | 30-1 | 1505 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 14975 | 30-1 | 1600 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 14975 | 30-1 | 1605 | Wed | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 31-1 | 1415 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03a | 15905 | 31-1 | 1420 | Thu | Polish intel. | BPSK-63 | (AB) |
| P03b | 10800 | 2-1 | 1120 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 2-1 | 1125 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 2-1 | 2035 | Wed | Polish intel. | QPSK-63 | (AB) |

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|------|-------|------|------|-----|---------------|--------------|------|
| P03b | 4840 | 2-1 | 2040 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 4-1 | 2035 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 4-1 | 2040 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 7317 | 5-1 | 0610 | Sat | Polish intel. | QPSK-63 | (AB) |
| P03b | 7317 | 5-1 | 0615 | Sat | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 9-1 | 1120 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 9-1 | 1125 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 9-1 | 2035 | Wed | Polish in0el. | QPSK-63 | (AB) |
| P03b | 4840 | 9-1 | 2040 | Wed | Polish in0el. | QPSK-63 | (AB) |
| P03b | 4840 | 11-1 | 2035 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 11-1 | 2040 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 13-1 | 1120 | Sun | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 13-1 | 1125 | Sun | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 16-1 | 1120 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 16-1 | 1125 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 16-1 | 2035 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 16-1 | 2040 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 18-1 | 2035 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 18-1 | 2040 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 23-1 | 1120 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 23-1 | 1125 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 23-1 | 2035 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 23-1 | 2040 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 25-1 | 2035 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 25-1 | 2040 | Fri | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 30-1 | 1120 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 10800 | 30-1 | 1125 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 30-1 | 2035 | Wed | Polish intel. | QPSK-63 | (AB) |
| P03b | 4840 | 30-1 | 2040 | Wed | Polish intel. | QPSK-63 | (AB) |
| POL | 8800 | 7-1 | 1000 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8800 | 7-1 | 1005 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8180 | 9-1 | 0950 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8180 | 9-1 | 0955 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8800 | 14-1 | 1000 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8800 | 14-1 | 1005 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8180 | 16-1 | 0950 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8180 | 16-1 | 0955 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8800 | 21-1 | 1000 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8800 | 21-1 | 1005 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8180 | 23-1 | 0950 | Wed | Polish intel. | FSK-4 100Bd | (AB) |

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|-------------|-------|------|------|-----|--|----------------------|--------------|
| POL | 8180 | 23-1 | 0955 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8800 | 28-1 | 1000 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8800 | 28-1 | 1005 | Mon | Polish Intel. | BFSK 400/800 | (AB) |
| POL | 8180 | 30-1 | 0950 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| POL | 8180 | 30-1 | 0955 | Wed | Polish intel. | FSK-4 100Bd | (AB) |
| Q26 | 4364 | 2-1 | 1132 | Wed | Messages //8073 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 2-1 | 1132 | Wed | Messages //8073 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4364 | 10-1 | 1132 | Thu | Messages //8073 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 10-1 | 1132 | Thu | Messages //4364 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4364 | 21-1 | 1138 | Mon | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 21-1 | 1146 | Mon | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 21-1 | 1148 | Mon | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 22-1 | 1141 | Tue | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 23-1 | 1133 | Wed | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 23-1 | 2341 | Wed | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| RADv | 5959 | 17-1 | 0728 | Thu | Russian Air Defense tracking data 9003 834 8913 .. 9004 838 8721 .. 9005 838 0931 .. etc | USB | (GB) |
| S06 | 5091 | 4-1 | 2100 | Fri | 627 627 627 00000 | USB | (AB) |
| S06 | 15721 | 14-1 | 0400 | Mon | 480 message | USB | (BW3-J) |
| S06 | 16243 | 17-1 | 0830 | Thu | 842 570 38 37037 ... | USB | (HFD-RUS) |
| S06 | 13469 | 17-1 | 0930 | Thu | 842 | USB | (HFD-RUS) |
| S06 | 7309 | 18-1 | 2000 | Fri | 627 627 627 00000 | USB | (HFD) |
| S06 | 5091 | 18-1 | 2100 | Fri | 627 627 627 00000 | USB | (AB/HFD-RUS) |
| S06 | 15721 | 30-1 | 0400 | Wed | 480 259 60 91919 45760 19548 ... 79750 66592 84553 259 60 00000 | USB | (kalv-J) |
| S06 | 15721 | 31-1 | 0400 | Thu | 480 367 50 80534 81941 04129 ... 51523 02236 24906 367 50 00000 | USB | (kalv) |
| S06 | 16243 | 31-1 | 0830 | Thu | 842 907 35 18272 63339 21933 ... 13214 52645 62534 907 35 00000 | USB | (AB-J) |
| S06 | 13469 | 31-1 | 0930 | Thu | 842 907 35 18272 63339 21933 ... 13214 52645 62534 907 35 00000 | USB | (AB-RUS) |
| S06s | 7410 | 1-1 | 0730 | Tue | 427 509 6 40614 77249 40678 17976 21816 42997 509 6 00000 | USB | (AB) |
| S06s | 11532 | 1-1 | 0740 | Tue | 427 509 6 40614 77249 40678 17976 21816 42997 509 6 00000 | USB | (AB) |
| S06s | 11945 | 1-1 | 0800 | Tue | 352 419 6 88146 57856 98835 46186 16945 80744 419 6 00000 | USB | (AB) |
| S06s | 13195 | 1-1 | 0810 | Tue | 352 419 6 88146 57856 98835 46186 16945 80744 419 6 00000 | USB | (AB) |
| S06s | 6440 | 1-1 | 1000 | Tue | 893 216 5 39534 17228 15636 47891 23247 216 5 00000 | USB | (AB) |
| S06s | 5660 | 1-1 | 1010 | Tue | 893 216 5 39534 17228 15636 47891 23247 216 5 00000 | USB | (AB) |
| S06s | 5035 | 1-1 | 1100 | Tue | 754 928 6 88620 58069 61732 74537 57440 10597 928 6 00000 | USB | (AB) |
| S06s | 5975 | 1-1 | 1110 | Tue | 754 928 6 88620 58069 61732 74537 57440 10597 928 6 00000 | USB | (AB) |
| S06s | 8417 | 2-1 | 0820 | Wed | 471 205 6 39177 25257 89341 66092 53711 89898 205 6 00000 | USB | (AB) |
| S06s | 7062 | 2-1 | 0830 | Wed | 464 985 7 57364 98722 32349 20096 13598 42531 44892 985 7 00000 | USB | (AB) |
| S06s | 9262 | 2-1 | 0830 | Wed | 471 205 6 39177 25257 89341 66092 53711 89898 205 6 00000 | USB | (AB) |
| S06s | 11535 | 2-1 | 0830 | Wed | 745 260 8 33584 40485 46170 42206 27796 85258 28203 48833 260 8 00000 | USB | (AB) |
| S06s | 10532 | 2-1 | 0840 | Wed | 464 985 7 57364 98722 32349 20096 13598 42531 44892 985 7 00000 | USB | (AB) |
| S06s | 11830 | 2-1 | 0840 | Wed | 745 260 8 33584 40485 46170 42206 27796 85258 28203 48833 260 8 00000 | USB | (AB) |

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|------|-------|-----|------|-----|---|-----|------------------|
| S06s | 12365 | 2-1 | 1000 | Wed | 729 518 6 27194 36129 33982 82221 85246 32992 518 6 00000 | USB | (AB) |
| S06s | 14280 | 2-1 | 1010 | Wed | 729 518 6 27194 36129 33982 82221 85246 32992 518 6 00000 | USB | (AB) |
| S06s | 8812 | 3-1 | 0930 | Thu | 314 982 5 84090 09531 88430 33240 61135 982 5 00000 | USB | (AB) |
| S06s | 9540 | 3-1 | 0940 | Thu | 314 982 5 84090 09531 88430 33240 61135 982 5 00000 | USB | (AB) |
| S06s | 12155 | 3-1 | 1200 | Thu | 425 903 6 96111 10544 98003 68909 45279 09531 903 6 00000 | USB | (AB) |
| S06s | 10920 | 3-1 | 1210 | Thu | 425 903 6 96111 10544 98003 68909 45279 09531 903 6 00000 | USB | (AB) |
| S06s | 5765 | 4-1 | 0900 | Fri | 624 985 7 17976 21816 42997 94187 47374 47154 08531 985 7 00000 | USB | (AB) |
| S06s | 6315 | 4-1 | 0910 | Fri | 624 985 7 17976 21816 42997 94187 47374 47154 08531 985 7 00000 | USB | (AB) |
| S06s | 11780 | 4-1 | 0930 | Fri | 516 240 7 37833 30024 32958 32235 87855 43367 99630 240 7 00000 | USB | (AB) |
| S06s | 12570 | 4-1 | 0940 | Fri | 516 240 7 37833 30024 32958 32235 87855 43367 99630 240 7 00000 | USB | (AB) |
| S06s | 8680 | 5-1 | 0800 | Sat | 254 809 6 25163 57057 48288 02507 53571 37181 809 6 00000 | USB | (AB) |
| S06s | 8260 | 5-1 | 0810 | Sat | 254 809 6 25163 57057 48288 02507 53571 37181 809 6 00000 | USB | (AB) |
| S06s | 13470 | 7-1 | 0630 | Mon | 524 968 7 42990 33000 22968 35222 26880 44060 46061 968 7 00000 | USB | (AB) |
| S06s | 16515 | 7-1 | 0640 | Mon | 524 968 7 42990 33000 22968 35222 26880 44060 46061 968 7 00000 | USB | (AB) |
| S06s | 8057 | 7-1 | 0830 | Mon | 371 940 5 07931 97755 84683 45752 64655 940 6 00000 | USB | (AB-AUT) |
| S06s | 8530 | 7-1 | 0840 | Mon | 371 940 5 07931 97755 84683 45752 64655 940 6 00000 | USB | (AB-AUT) |
| S06s | 14675 | 7-1 | 0900 | Mon | 872 960 5 33584 40485 36170 43306 37796 960 5 00000 | USB | (AB-AUT) |
| S06s | 12830 | 7-1 | 0910 | Mon | 872 960 5 33584 40485 36170 43306 37796 960 5 00000 | USB | (AB-AUT) |
| S06s | 16145 | 8-1 | 0600 | Tue | 438 270 5 46062 68672 97478 39685 30485 270 5 00000 | USB | (AB-AUT/HFD-QAT) |
| S06s | 14240 | 8-1 | 0610 | Tue | 438 270 5 46062 68672 97478 39685 30485 270 5 00000 | USB | (AB-AUT/HFD) |
| S06s | 5250 | 8-1 | 0700 | Tue | 374 809 5 11171 64385 82707 06123 22536 809 5 00000 | USB | (AB) |
| S06s | 6320 | 8-1 | 0715 | Tue | 374 809 5 11171 64385 82707 06123 22536 809 5 00000 | USB | (AB) |
| S06s | 7410 | 8-1 | 0730 | Tue | 427 509 6 40614 77249 40678 17976 21816 42997 509 6 00000 | USB | (AB) |
| S06s | 11532 | 8-1 | 0740 | Tue | 427 509 6 40614 77249 40678 17976 21816 42997 509 6 00000 | USB | (AB) |
| S06s | 11945 | 8-1 | 0800 | Tue | 352 419 6 88146 57856 98835 46186 16945 80744 419 6 00000 | USB | (AB) |
| S06s | 13195 | 8-1 | 0810 | Tue | 352 419 6 88146 57856 98835 46186 16945 80744 419 6 00000 | USB | (AB) |
| S06s | 6440 | 8-1 | 1000 | Tue | 893 216 5 39534 17228 15636 47891 23247 216 5 00000 | USB | (AB) |
| S06s | 5660 | 8-1 | 1010 | Tue | 893 216 5 39534 17228 15636 47891 23247 216 5 00000 | USB | (AB) |
| S06s | 5035 | 8-1 | 1100 | Tue | 754 928 6 88620 58069 61732 74537 57440 10597 928 6 00000 | USB | (AB-POL/MPJ-AUT) |
| S06s | 5975 | 8-1 | 1110 | Tue | 754 928 6 88620 58069 61732 74537 57440 10597 928 6 00000 | USB | (AB-POL/MPJ-AUT) |
| S06s | 6845 | 8-1 | 1500 | Tue | 537 821 6 65806 66610 20336 17301 88554 82035 821 6 00000 | USB | (AB/MPJ) |
| S06s | 9170 | 8-1 | 1510 | Tue | 537 821 6 65806 66610 20336 17301 88554 82035 821 6 00000 | USB | (AB/MPJ) |
| S06s | 8417 | 9-1 | 0820 | Wed | 471 205 6 39177 25257 89341 66092 53711 89898 205 6 00000 | USB | (AB) |
| S06s | 7062 | 9-1 | 0830 | Wed | 464 985 7 57364 98722 32349 20096 13598 42531 44892 985 7 00000 | USB | (AB) |
| S06s | 9262 | 9-1 | 0830 | Wed | 471 205 6 39177 25257 89341 66092 53711 89898 205 6 00000 | USB | (AB) |
| S06s | 11535 | 9-1 | 0830 | Wed | 745 260 8 33584 40485 46170 42206 27796 85258 28203 48833 260 8 00000 | USB | (AB) |
| S06s | 10532 | 9-1 | 0840 | Wed | 464 985 7 57364 98722 32349 20096 13598 42531 44892 985 7 00000 | USB | (AB) |

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|------|-------|------|------|-----|---|-----|----------|
| S06s | 11830 | 9-1 | 0840 | Wed | 745 260 8 33584 40485 46170 42206 27796 85258 28203 48833 260 8 00000 | USB | (AB) |
| S06s | 12365 | 9-1 | 1000 | Wed | 729 518 6 27194 36129 33982 82221 85246 32992 518 6 00000 | USB | (AB) |
| S06s | 14280 | 9-1 | 1010 | Wed | 729 518 6 27194 36129 33982 82221 85246 32992 518 6 00000 | USB | (AB) |
| S06s | 8812 | 10-1 | 0930 | Thu | 314 982 5 84090 09531 88430 33240 61135 982 5 00000 | USB | (AB) |
| S06s | 9540 | 10-1 | 0940 | Thu | 314 982 5 84090 09531 88430 33240 61135 982 5 00000 | USB | (AB) |
| S06s | 12155 | 10-1 | 1200 | Thu | 425 903 6 96111 10544 98003 68909 45279 09531 903 6 00000 | USB | (AB/MPJ) |
| S06s | 10920 | 10-1 | 1210 | Thu | 425 903 6 96111 10544 98003 68909 45279 09531 903 6 00000 | USB | (AB/MPJ) |
| S06s | 5765 | 11-1 | 0900 | Fri | 624 985 7 17976 21816 42997 94187 47374 47154 08531 985 7 00000 | USB | (AB) |
| S06s | 6315 | 11-1 | 0910 | Fri | 624 985 7 17976 21816 42997 94187 47374 47154 08531 985 7 00000 | USB | (AB) |
| S06s | 11780 | 11-1 | 0930 | Fri | 516 240 7 37833 30024 32958 32235 87855 43367 99630 240 7 00000 | USB | (AB) |
| S06s | 12570 | 11-1 | 0940 | Fri | 516 240 7 37833 30024 32958 32235 87855 43367 99630 240 7 00000 | USB | (AB) |
| S06s | 13470 | 14-1 | 0630 | Mon | 524 968 7 42990 33000 22968 35222 26880 44060 46061 968 7 00000 | USB | (AB-AUT) |
| S06s | 16515 | 14-1 | 0640 | Mon | 524 968 7 42990 33000 22968 35222 26880 44060 46061 968 7 00000 | USB | (AB-AUT) |
| S06s | 8057 | 14-1 | 0830 | Mon | 371 940 5 07931 97755 84683 45752 64655 940 5 00000 | USB | (AB) |
| S06s | 8530 | 14-1 | 0840 | Mon | 371 940 5 07931 97755 84683 45752 64655 940 5 00000 | USB | (AB) |
| S06s | 14675 | 14-1 | 0900 | Mon | 872 960 5 33584 40485 36170 43306 37796 960 5 00000 | USB | (AB-AUT) |
| S06s | 12830 | 14-1 | 0910 | Mon | 872 960 5 33584 40485 36170 43306 37796 960 5 00000 | USB | (AB) |
| S06s | 8420 | 14-1 | 1300 | Mon | 831 924 5 83404 43347 36198 89786 80083 924 5 00000 | USB | (AB/MPJ) |
| S06s | 10635 | 14-1 | 1310 | Mon | 831 924 5 83404 43347 36198 89786 80083 924 5 00000 | USB | (AB/MPJ) |
| S06s | 16145 | 15-1 | 0600 | Tue | 438 952 6 30130 30905 37181 39971 35748 35931 952 6 00000 | USB | (AB-ROU) |
| S06s | 14240 | 15-1 | 0610 | Tue | 438 952 6 30130 30905 37181 39971 35748 35931 952 6 00000 | USB | (AB-ROU) |
| S06s | 5250 | 15-1 | 0700 | Tue | 374 590 6 37137 90406 36113 31107 31405 39883 590 6 00000 | USB | (AB) |
| S06s | 6320 | 15-1 | 0715 | Tue | 374 590 6 37137 90406 36113 31107 31405 39883 590 6 00000 | USB | (AB) |
| S06s | 7410 | 15-1 | 0730 | Tue | 427 831 5 37931 35379 30130 30905 76148 831 5 00000 | USB | (AB) |
| S06s | 11532 | 15-1 | 0740 | Tue | 427 831 5 37931 35379 30130 30905 76148 831 5 00000 | USB | (AB) |
| S06s | 11945 | 15-1 | 0800 | Tue | 352 981 6 83964 40774 45983 48882 31151 32860 981 6 00000 | USB | (AB) |
| S06s | 13195 | 15-1 | 0810 | Tue | 352 981 6 83964 40774 45983 48882 31151 32860 981 6 00000 | USB | (AB) |
| S06s | 6440 | 15-1 | 1000 | Tue | 893 542 6 44008 38453 38324 38335 31830 34645 542 6 00000 | USB | (AB/MPJ) |
| S06s | 5660 | 15-1 | 1010 | Tue | 893 542 6 44008 38453 38324 38335 31830 34645 542 6 00000 | USB | (AB/MPJ) |
| S06s | 5035 | 15-1 | 1100 | Tue | 754 819 6 43079 32154 34746 34053 30738 56864 819 6 00000 | USB | (AB-POL) |
| S06s | 5975 | 15-1 | 1110 | Tue | 754 819 6 43079 32154 34746 34053 30738 56864 819 6 00000 | USB | (AB-POL) |
| S06s | 6845 | 15-1 | 1500 | Tue | 537 948 6 43337 89153 46544 36478 31315 36184 948 6 00000 | USB | (AB) |
| S06s | 9170 | 15-1 | 1510 | Tue | 537 948 6 43337 89153 46544 36478 31315 36184 948 6 00000 | USB | (AB) |
| S06s | 8417 | 16-1 | 0820 | Wed | 471 863 5 32154 34746 34053 30738 56847 863 5 00000 | USB | (AB) |
| S06s | 7062 | 16-1 | 0830 | Wed | 464 839 5 37545 20989 41691 43753 32543 839 5 00000 | USB | (AB) |
| S06s | 9262 | 16-1 | 0830 | Wed | 471 863 5 32154 34746 34053 30738 56847 863 5 00000 | USB | (AB) |
| S06s | 11535 | 16-1 | 0830 | Wed | 745 831 6 43090 84663 83473 33599 30743 37625 831 6 00000 | USB | (AB) |
| S06s | 10532 | 16-1 | 0840 | Wed | 464 839 5 37545 20989 41691 43753 32543 839 5 00000 | USB | (AB) |
| S06s | 11830 | 16-1 | 0840 | Wed | 745 831 6 43090 84663 83473 33599 30743 37625 831 6 00000 | USB | (AB) |
| S06s | 12365 | 16-1 | 1000 | Wed | 729 806 5 33584 40485 46170 43306 37796 806 5 00000 | USB | (AB) |

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|------|-------|------|------|-----|--|-----|--------------|
| S06s | 14280 | 16-1 | 1010 | Wed | 729 806 5 33584 40485 46170 43306 37796 806 5 00000 | USB | (AB) |
| S06s | 8812 | 17-1 | 0930 | Thu | 314 290 5 35861 33432 89319 32494 37142 290 5 00000 | USB | (AB) |
| S06s | 9540 | 17-1 | 0940 | Thu | 314 290 5 35861 33432 89319 32494 37142 290 5 00000 | USB | (AB) |
| S06s | 12155 | 17-1 | 1200 | Thu | 425 807 6 57634 12317 89645 34217 80945 55317 807 6 00000 | USB | (AB/MPJ) |
| S06s | 10920 | 17-1 | 1210 | Thu | 425 807 6 57634 12317 89645 34217 80945 55317 807 6 00000 | USB | (AB/MPJ) |
| S06s | 5765 | 18-1 | 0849 | Fri | Test with E17z voice in English: 624 624. At 0850z the voice changed to S06s | USB | (AB) |
| S06s | 5765 | 18-1 | 0849 | Fri | 624 879 5 67331 45907 40406 31867 40228 879 5 00000 | USB | (AB) |
| S06s | 6315 | 18-1 | 0910 | Fri | 624 879 5 67331 45907 40406 31867 40228 879 5 00000 | USB | (AB) |
| S06s | 11780 | 18-1 | 0930 | Fri | 516 923 7 34806 32963 31716 81515 30841 48007 53588 923 7 00000 | USB | (AB) |
| S06s | 12570 | 18-1 | 0940 | Fri | 516 923 7 34806 32963 31716 81515 30841 48007 53588 923 7 00000 | USB | (AB) |
| S06s | 13470 | 21-1 | 0630 | Mon | 524 938 6 85518 83939 48340 30054 40909 39394 938 6 00000 | USB | (AB-AUT) |
| S06s | 16515 | 21-1 | 0640 | Mon | 524 938 6 85518 83939 48340 30054 40909 39394 938 6 00000 | USB | (AB-AUT) |
| S06s | 8057 | 21-1 | 0830 | Mon | 371 249 5 40639 36180 48007 37230 46446 249 5 00000 | USB | (AB) |
| S06s | 8530 | 21-1 | 0840 | Mon | 371 249 5 40639 36180 48007 37230 46446 249 5 00000 | USB | (AB) |
| S06s | 14675 | 21-1 | 0900 | Mon | 872 901 5 35861 33432 49319 32494 37142 901 5 00000 | USB | (AB-AUT) |
| S06s | 12830 | 21-1 | 0910 | Mon | 872 901 5 35861 33432 49319 32494 37142 901 5 00000 | USB | (AB) |
| S06s | 8420 | 21-1 | 1300 | Mon | 831 269 5 44475 30322 36034 45445 44008 269 5 00000 | USB | (AB-CZE/MPJ) |
| S06s | 10635 | 21-1 | 1310 | Mon | 831 269 5 44475 30322 36034 45445 44008 269 5 00000 | USB | (AB/MPJ) |
| S06s | 11945 | 22-1 | 0800 | Tue | 352 981 6 83964 40774 45983 48882 31151 32860 981 6 00000 | USB | (AB) |
| S06s | 13195 | 22-1 | 0810 | Tue | 352 981 6 83964 40774 45983 48882 31151 32860 981 6 00000 | USB | (AB) |
| S06s | 6440 | 22-1 | 1000 | Tue | 893 542 6 44008 38453 38324 38335 31830 34645 542 6 00000 | USB | (AB) |
| S06s | 5660 | 22-1 | 1010 | Tue | 893 542 6 44008 38453 38324 38335 31830 34645 542 6 00000 | USB | (AB) |
| S06s | 5035 | 22-1 | 1100 | Tue | 754 819 6 43079 83154 34746 34053 30738 56864 819 6 00000 | USB | (AB/MPJ) |
| S06s | 5975 | 22-1 | 1110 | Tue | 754 819 6 43079 83154 34746 34053 30738 56864 819 6 00000 | USB | (AB/MPJ) |
| S06s | 6845 | 22-1 | 1500 | Tue | 537 948 6 43337 89153 46544 36478 31315 36184 948 6 00000 | USB | (AB/MPJ) |
| S06s | 9170 | 22-1 | 1510 | Tue | 537 948 6 43337 89153 46544 36478 31315 36184 948 6 00000 | USB | (AB/MPJ) |
| S06s | 8417 | 23-1 | 0820 | Wed | 471 863 5 32154 34746 34053 30738 56847 863 5 00000 | USB | (AB) |
| S06s | 7062 | 23-1 | 0830 | Wed | 464 839 5 37545 20989 41691 43753 32543 839 5 00000 | USB | (AB) |
| S06s | 9262 | 23-1 | 0830 | Wed | 471 863 5 32154 34746 34053 30738 56847 863 5 00000 | USB | (AB) |
| S06s | 11535 | 23-1 | 0830 | Wed | 745 831 6 43090 84663 83473 33599 30743 37625 831 6 00000 | USB | (AB) |
| S06s | 10532 | 23-1 | 0840 | Wed | 464 839 5 37545 20989 41691 43753 32543 839 5 00000 | USB | (AB) |
| S06s | 11830 | 23-1 | 0840 | Wed | 745 831 6 43090 84663 83473 33599 30743 37625 831 6 00000 | USB | (AB) |
| S06s | 12365 | 23-1 | 1000 | Wed | 729 806 5 33584 40485 46170 43306 37796 806 5 00000 | USB | (AB) |
| S06s | 14280 | 23-1 | 1010 | Wed | 729 806 5 33584 40485 46170 43306 37796 806 5 00000 | USB | (AB) |
| S06s | 8812 | 24-1 | 0930 | Thu | 314 290 5 35861 33432 89319 32494 37142 290 5 00000 | USB | (AB) |
| S06s | 9540 | 24-1 | 0940 | Thu | 314 290 5 35861 33432 89319 32494 37142 290 5 00000 | USB | (AB) |
| S06s | 12155 | 24-1 | 1200 | Thu | 425 807 6 57634 12317 89645 34217 80945 55317 807 6 00000 | AM | (AB/MPJ) |
| S06s | 10920 | 24-1 | 1210 | Thu | 425 807 6 57634 12317 89645 34217 80945 55317 807 6 00000 | AM | (AB/MPJ) |
| S06s | 5765 | 25-1 | 0849 | Fri | 624 879 5 67331 45907 40406 31867 40228 879 5 00000 | USB | (AB) |
| S06s | 6315 | 25-1 | 0910 | Fri | 624 879 5 67331 45907 40406 31867 40228 879 5 00000 | USB | (AB) |

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|------|-------|------|------|-----|---|-----|--------------|
| S06s | 11780 | 25-1 | 0930 | Fri | 516 923 7 34806 32963 31716 81515 30841 48007 53588 923 7 00000 | USB | (AB) |
| S06s | 12570 | 25-1 | 0940 | Fri | 516 923 7 34806 32963 31716 81515 30841 48007 53588 923 7 00000 | USB | (AB) |
| S06s | 13470 | 28-1 | 0630 | Mon | 524 938 6 85518 83939 48340 30054 40909 39394 938 6 00000 | USB | (AB-AUT) |
| S06s | 16515 | 28-1 | 0640 | Mon | 524 938 6 85518 83939 48340 30054 40909 39394 938 6 00000 | USB | (AB-AUT) |
| S06s | 8057 | 28-1 | 0830 | Mon | 371 249 5 40639 36180 48007 37230 46446 249 5 00000 | USB | (AB) |
| S06s | 8530 | 28-1 | 0840 | Mon | 371 249 5 40639 36180 48007 37230 46446 249 5 00000 | USB | (AB) |
| S06s | 14675 | 28-1 | 0900 | Mon | 872 901 5 35861 33432 49319 32494 37142 901 5 00000 | USB | (AB-AUT) |
| S06s | 12830 | 28-1 | 0910 | Mon | 872 901 5 35861 33432 49319 32494 37142 901 5 00000 | USB | (AB) |
| S06s | 8420 | 28-1 | 1300 | Mon | 831 269 5 44475 30322 36034 45445 44008 269 5 00000 | USB | (AB/MPJ) |
| S06s | 10635 | 28-1 | 1310 | Mon | 831 269 5 44475 30322 36034 45445 44008 269 5 00000 | USB | (AB/MPJ) |
| S06s | 14240 | 29-1 | 0610 | Tue | 438 438 438 00000 | USB | (AB-AUT) |
| S06s | 5250 | 29-1 | 0700 | Tue | 374 374 374 00000 | USB | (AB) |
| S06s | 6320 | 29-1 | 0715 | Tue | 374 374 374 00000 | USB | (AB) |
| S06s | 7410 | 29-1 | 0730 | Tue | 427 427 427 00000 | USB | (AB) |
| S06s | 11532 | 29-1 | 0740 | Tue | 427 427 427 00000 | USB | (AB) |
| S06s | 11945 | 29-1 | 0800 | Tue | 352 352 352 00000 | USB | (AB) |
| S06s | 13195 | 29-1 | 0810 | Tue | 352 352 352 00000 | USB | (AB) |
| S06s | 6440 | 29-1 | 1000 | Tue | 893 893 893 00000 | USB | (AB) |
| S06s | 5660 | 29-1 | 1008 | Tue | 893 893 893 00000 Early start | USB | (AB) |
| S06s | 5035 | 29-1 | 1100 | Tue | 754 754 754 00000 | USB | (AB/MPJ) |
| S06s | 5975 | 29-1 | 1109 | Tue | 754 754 754 00000 Early start | USB | (AB/MPJ) |
| S06s | 6845 | 29-1 | 1500 | Tue | 537 537 537 00000 | USB | (AB) |
| S06s | 9170 | 29-1 | 1509 | Tue | 537 537 537 00000 Early start | USB | (AB) |
| S06s | 8417 | 30-1 | 0820 | Wed | 471 471 471 00000 | USB | (AB) |
| S06s | 7062 | 30-1 | 0830 | Wed | 464 464 464 00000 | USB | (AB) |
| S06s | 9262 | 30-1 | 0830 | Wed | 471 471 471 00000 | USB | (AB) |
| S06s | 11535 | 30-1 | 0830 | Wed | 745 745 745 00000 | USB | (AB) |
| S06s | 10532 | 30-1 | 0839 | Wed | 464 464 464 00000 Early start | USB | (AB) |
| S06s | 11830 | 30-1 | 0839 | Wed | 745 745 745 00000 Early start | USB | (AB) |
| S06s | 12365 | 30-1 | 1000 | Wed | 729 729 729 00000 | USB | (AB) |
| S06s | 14280 | 30-1 | 1009 | Wed | 729 729 729 00000 Early start | USB | (AB) |
| S06s | 8812 | 31-1 | 0930 | Thu | 314 314 314 00000 | USB | (AB) |
| S06s | 9540 | 31-1 | 0940 | Thu | 314 314 314 00000 | USB | (AB) |
| S06s | 12155 | 31-1 | 1200 | Thu | 425 425 425 00000 | USB | (AB) |
| S06s | 10920 | 31-1 | 1210 | Thu | 425 425 425 00000 | USB | (AB) |
| S11a | 14753 | 1-1 | 0735 | Tue | 384/00 | USB | (AB) |
| S11a | 7600 | 1-1 | 1020 | Tue | 420/00 | USB | (AB) |
| S11a | 10728 | 2-1 | 1540 | Wed | 563/00 | USB | (AB/MPJ) |
| S11a | 11486 | 2-1 | 1850 | Wed | 284/00 | USB | (AB/MPJ-HOL) |
| S11a | 5815 | 2-1 | 1955 | Wed | 372/00 | USB | (AB) |

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|------|-------|------|------|-----|--|-----|--------------|
| S11a | 14753 | 3-1 | 0735 | Thu | 387/00 | USB | (AB) |
| S11a | 11559 | 3-1 | 1015 | Thu | 478/00 | USB | (AB) |
| S11a | 14753 | 4-1 | 0735 | Fri | 387/34 Vnimanaye 54740 65323 88704 ... 83335 98680 04399 Vnimanaye *message repeated) Konets | USB | (AB-AUT) |
| S11a | 7600 | 4-1 | 1020 | Fri | 426/00 | USB | (AB/Draco) |
| S11a | 5815 | 4-1 | 1955 | Fri | 372/00 | USB | (AB) |
| S11a | 10728 | 5-1 | 1540 | Sat | 561/00 | USB | (AB/MPJ-HOL) |
| S11a | 11486 | 5-1 | 1850 | Sat | 286/00 | USB | (MPJ-AUT) |
| S11a | 11559 | 7-1 | 1015 | Mon | 472/00 | USB | (AB) |
| S11a | 4828 | 8-1 | 0455 | Tue | 327/00 | USB | (HFD) |
| S11a | 7600 | 8-1 | 1020 | Tue | 427/00 | USB | (AB) |
| S11a | 10728 | 9-1 | 1540 | Wed | 565/37 Vnimanaye 27561 77222 86901 ... 74348 61901 17565 Vnimanaye (message repeated) Konets | USB | (AB/MPJ) |
| S11a | 11486 | 9-1 | 1850 | Wed | 282/00 | USB | (MPJ) |
| S11a | 5815 | 9-1 | 1955 | Wed | 376/00 | USB | (AB) |
| S11a | 11559 | 10-1 | 1015 | Thu | 477/00 | USB | (AB) |
| S11a | 7600 | 11-1 | 1020 | Fri | 424/00 | USB | (AB) |
| S11a | 5815 | 11-1 | 1955 | Fri | 378/00 | USB | (AB/MPJ) |
| S11a | 10728 | 12-1 | 1540 | Sat | 565/37 Vnimanaye 27561 77222 86901 ... 74348 61901 17565 Vnimanaye (message repeated) Konets | USB | (MPJ-HOL) |
| S11a | 11559 | 14-1 | 1015 | Mon | 470/34 Vnimanaye 90367 48896 42038 ... 33012 66835 12971 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 14753 | 15-1 | 0735 | Tue | 382/00 | USB | (AB-AUT) |
| S11a | 7600 | 15-1 | 1020 | Tue | 429/00 | USB | (AB) |
| S11a | 10728 | 16-1 | 1540 | Wed | 567/00 | USB | (AB/MPJ) |
| S11a | 11486 | 16-1 | 1850 | Wed | 286/00 | USB | (AB/MPJ) |
| S11a | 5815 | 16-1 | 1955 | Wed | 379/35 Vnimanaye 08693 18128 51222 ... 76262 36944 11686 Vnimanaye (message repeated) Konets | USB | (AB/MPJ) |
| S11a | 14753 | 17-1 | 0735 | Thu | 383/00 | USB | (AB-AUT) |
| S11a | 11559 | 17-1 | 1015 | Thu | 470/34 Vnimanaye 90367 48896 42038 ... 33012 66835 12971 Vnimanaye (message repeated) Konets | USB | (AB-AUT) |
| S11a | 4828 | 18-1 | 0455 | Fri | 327/38 Vnimanaye 68260 12056 64597 ... 94964 75814 48470 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 7600 | 18-1 | 1020 | Fri | 427/00 | USB | (AB) |
| S11a | 5815 | 18-1 | 1955 | Fri | 379/35 Vnimanaye 08693 18128 51222 ... 76262 36944 11686 Vnimanaye (message repeated) Konets | USB | (AB/MPJ) |
| S11a | 10728 | 19-1 | 1540 | Sat | 569/00 | USB | (MPJ) |
| S11a | 11559 | 21-1 | 1015 | Mon | 474/00 | USB | (AB-AUT) |
| S11a | 7600 | 22-1 | 1020 | Tue | 425/36 Vnimanaye 00359 93038 82508 ... 90106 21585 71889 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 10728 | 23-1 | 1540 | Wed | 567/00 | USB | (MPJ) |
| S11a | 11486 | 23-1 | 1850 | Wed | Message | USB | (AB/MPJ) |
| S11a | 5815 | 23-1 | 1955 | Wed | 377/00 | USB | (AB/MPJ/BW3) |
| S11a | 14753 | 24-1 | 0735 | Thu | 384/00 | USB | (AB) |
| S11a | 11559 | 24-1 | 1015 | Thu | 476/00 | USB | (AnEur) |
| S11a | 7600 | 25-1 | 1020 | Fri | 425/36 Vnimanaye 00359 93038 82508 ... 90106 21585 71889 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 5815 | 25-1 | 1955 | Fri | 372/00 | USB | (AB/MPJ) |
| S11a | 10728 | 26-1 | 1540 | Sat | 567/00 | USB | (MPJ) |
| S11a | 11486 | 26-1 | 1850 | Sat | 284/33 Vnimanaye 95347 28366 70282 ... 82_33 00856 89895 vnimanaye. Rpts. Konets | USB | (MPJ) |

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|-------------|-------|------|------|-----|--|-----|--------------|
| S11a | 11559 | 28-1 | 1015 | Mon | 471/00 | USB | (AB-AUT) |
| S11a | 14753 | 29-1 | 0735 | Tue | 380/00 | USB | (AB) |
| S11a | 7600 | 29-1 | 1020 | Tue | 420/00 | USB | (AB) |
| S11a | 10728 | 30-1 | 1540 | Wed | 561/00 | USB | (AB-AUT/MPJ) |
| S11a | 11486 | 30-1 | 1850 | Wed | 287/00 | USB | (MPJ) |
| S11a | 5815 | 30-1 | 1955 | Wed | 379/00 | USB | (AB) |
| S11a | 14753 | 31-1 | 0735 | Thu | 381/00 | USB | (AB) |
| S28 | 9250 | 23-1 | 0841 | Wed | Buzzer channel marker. Harmonic of 4625 kHz | USB | (AB) |
| S32 | 5474 | 27-1 | 0709 | Sun | Squeaky Wheel 3-tone channel marker | USB | (AB-RUS) |
| UM03 | 7920 | 8-1 | 0231 | Tue | CQ (x3) DE X2M (x2) VVV (x3) MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 0935 TIME 0935 DATE 0801 DATE 0801 = on 7920, 8250, 8410, 8958 kHz | CW | (JPL-HK) |
| UM03 | 8250 | 8-1 | 0231 | Tue | CQ (x3) DE X2M (x2) VVV (x3) MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 0935 TIME 0935 DATE 0801 DATE 0801 = on 7920, 8250, 8410, 8958 kHz | CW | (JPL-HK) |
| UM03 | 8410 | 8-1 | 0231 | Tue | CQ (x3) DE X2M (x2) VVV (x3) MSG (x2) ENG (x2) 01 01 CK 100 CK 100 TIME 0935 TIME 0935 DATE 0801 DATE 0801 = on 7920, 8250, 8410, 8958 kHz | CW | (JPL-HK) |
| UM03 | 7920 | 10-1 | 1126 | Thu | CQ DE X2M VVV MSG MSG ENG ENG MSG ENG NR 01 01 CK 100 CK 100 TIME 1826 TIME 1826 DATE 1001 DATE 1001 = | CW | (JPL-HK) |
| UM03 | 4184 | 22-1 | 1234 | Tue | i.p. AR ZCRUJ ZCRUJ ZCRUJ VA QSA GA ? MSG /X313. CK .51 = MODGV PHJYB ZNQTI ... | CW | (JPL-Sib) |
| UM03 | 4108 | 23-1 | 1824 | Wed | i.p. 03 03 CK 100 CK 100 TIME 0127 TIME 0127 DATE 2401 DATE 2401 = BQSKZ KZCFU DFUXM VXMPQ ... | CW | (JPL-HK) |
| UM03 | 7920 | 24-1 | 0014 | Thu | 05 05 CK 100 CK 100 TIME 0715 TIME 0715 DATE 2401 DATE 2401 = PHJYB ZBQTI WLODF (Cont'd) on 7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 8250 | 24-1 | 0014 | Thu | 05 05 CK 100 CK 100 TIME 0715 TIME 0715 DATE 2401 DATE 2401 = PHJYB ZBQTI WLODF (Cont'd) on 7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 8410 | 24-1 | 0014 | Thu | 05 05 CK 100 CK 100 TIME 0715 TIME 0715 DATE 2401 DATE 2401 = PHJYB ZBQTI WLODF (Cont'd) on 7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 6672 | 24-1 | 0825 | Thu | CQ (x3) X2M (x2) VVV MSG ENG (x3) 01 01 CK 100 CK 100 TIME 1526 TIME 1526 DATE 2401 DATE 2401 = on 6672//7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 7920 | 24-1 | 0825 | Thu | CQ (x3) X2M (x2) VVV MSG ENG (x3) 01 01 CK 100 CK 100 TIME 1526 TIME 1526 DATE 2401 DATE 2401 = on 6672//7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 8250 | 24-1 | 0825 | Thu | CQ (x3) X2M (x2) VVV MSG ENG (x3) 01 01 CK 100 CK 100 TIME 1526 TIME 1526 DATE 2401 DATE 2401 = on 6672//7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 8410 | 24-1 | 0825 | Thu | CQ (x3) X2M (x2) VVV MSG ENG (x3) 01 01 CK 100 CK 100 TIME 1526 TIME 1526 DATE 2401 DATE 2401 = on 6672//7920//8250//8410 kHz | CW | (JPL-HK) |
| UM03 | 6296 | 24-1 | 0851 | Thu | i.p. XZACR UJLDS MBVKN LNTNF (Cont'd) AR ZNN QRX VA OK VA | CW | (JPL-HK) |
| UM03 | 5730 | 24-1 | 0855 | Thu | i.p. CK 80 = = BTHRI MIYZG TTQLJ MXRUM PKHUJ (Cont'd) AR | CW | (JPL-HK) |
| UM03 | 5742 | 24-1 | 0903 | Thu | i.p. MENHR ABDSV TVTNC LNOQF (Cont'd) AR 15 15 CK 100 CK 100 TIME 1605 TIME 1605 DATE 2401 DATE 2401 = | CW | (JPL-HK) |
| UM03 | 5672 | 24-1 | 0907 | Thu | i.p. XZJRU .LAPS YBQHK NCFWD (Cont'd) AR | CW | (JPL-HK) |
| UM10 | 3326 | 2-1 | 1821 | Wed | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |

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|------|-------|------|------|-----|---------------------------------|-----|-----------|
| UM10 | 4112 | 2-1 | 1821 | Wed | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 2-1 | 1849 | Wed | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 3326 | 3-1 | 1032 | Thu | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 3-1 | 1032 | Thu | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3326 | 5-1 | 1953 | Sat | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 5-1 | 1953 | Sat | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 5-1 | 2019 | Sat | 10-minutes net: 7CJK (| CW | (JPL-Sib) |
| UM10 | 5945 | 8-1 | 0158 | Tue | 10-minutes net: TPTS | CW | (JPL-Sib) |
| UM10 | 3326 | 14-1 | 2126 | Mon | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 14-1 | 2126 | Mon | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 16-1 | 1716 | Wed | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 3718 | 18-1 | 1515 | Fri | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 4112 | 18-1 | 1957 | Fri | 10-minutes net: U34D | CW | (JPL-Sib) |
| UM10 | 6924 | 20-1 | 0723 | Sun | 10-minutes net: TPTS | CW | (F5JBR-J) |
| UM10 | 4112 | 20-1 | 1020 | Sun | 10-minutes net: U34D | CW | (F5JBR-J) |
| UM10 | 3326 | 20-1 | 1050 | Sun | 10-minutes net: U34D //4112 kHz | CW | (F5JBR-J) |
| UM10 | 4112 | 20-1 | 1050 | Sun | 10-minutes net: U34D //3326 kHz | CW | (F5JBR-J) |
| UM10 | 3718 | 20-1 | 1718 | Sun | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 3326 | 20-1 | 1723 | Sun | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 20-1 | 1723 | Sun | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 5945 | 21-1 | 0328 | Mon | 10-minutes net: TPTS //6924 kHz | CW | (JPL-Sib) |
| UM10 | 6924 | 21-1 | 0328 | Mon | 10-minutes net: TPTS //5945 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 22-1 | 1159 | Tue | 10-minutes net: U34D | CW | (JPL-Sib) |
| UM10 | 5945 | 23-1 | 0752 | Wed | 10-minutes net: TPTS //6924 kHz | CW | (F5JBR-J) |
| UM10 | 6924 | 23-1 | 0752 | Wed | 10-minutes net: TPTS //5945 kHz | CW | (F5JBR-J) |
| UM10 | 3718 | 23-1 | 0910 | Wed | 10-minutes net: TPTS | CW | (F5JBR-J) |
| UM10 | 4112 | 25-1 | 1851 | Fri | 10-minutes net: U34D | CW | (JPL-J) |
| UM10 | 3326 | 27-1 | 1556 | Sun | 10-minutes net: U34D //4112 kHz | CW | (JPL-KOR) |
| UM10 | 4112 | 27-1 | 1556 | Sun | 10-minutes net: U34D //3326 kHz | CW | (JPL-KOR) |
| UM10 | 3326 | 28-1 | 1155 | Mon | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 28-1 | 1155 | Mon | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 28-1 | 1216 | Mon | 10-minutes net: 7C2K | CW | (JPL-Sib) |
| UM10 | 3326 | 28-1 | 1925 | Mon | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 28-1 | 1925 | Mon | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 29-1 | 1518 | Tue | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 3326 | 29-1 | 1522 | Tue | 10-minutes net: U34D //4112 kHz | CW | (JPL-Sib) |
| UM10 | 4112 | 29-1 | 1522 | Tue | 10-minutes net: U34D //3326 kHz | CW | (JPL-Sib) |
| UM10 | 3718 | 31-1 | 1219 | Thu | 10-minutes net: 7CJK | CW | (JPL-Sib) |
| UM10 | 4112 | 31-1 | 1220 | Thu | 10-minutes net: U34D | CW | (JPL-Sib) |
| V07 | 14693 | 6-1 | 0120 | Sun | 868 868 868 000 | USB | (Dan) |

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|-----|-------|------|------|-----|---|-----|---------------|
| V07 | 15893 | 13-1 | 0100 | Sun | 868 868 868 1 720 41 20316 31046 28989 17420 68593 000 000 | USB | (Dan) |
| V07 | 14693 | 13-1 | 0120 | Sun | 868 868 868 1 720 41 20316 31046 28989 17420 68593 000 000 | USB | (Dan) |
| V07 | 13893 | 13-1 | 0140 | Sun | 868 868 868 1 720 41 20316 31046 28989 17420 68593 000 000 | USB | (Dan/BW3-J) |
| V07 | 15893 | 20-1 | 0100 | Sun | 868 868 868 0000 | USB | (Dan) |
| V07 | 14693 | 20-1 | 0120 | Sun | 868 868 868 0000 | USB | (Dan/BW3-KOR) |
| V07 | 14693 | 23-1 | 0120 | Wed | 868 868 868 000 | USB | (BW3-J) |
| V07 | 15893 | 27-1 | 0100 | Sun | 868 868 868 000 | USB | (Dan/HFD-USA) |
| V07 | 14693 | 27-1 | 0120 | Sun | 868 868 868 000 | USB | (Dan/HFD-USA) |
| V13 | 9276 | 2-1 | 1305 | Wed | New Star Broadcasting | AM | (HK) |
| V13 | 8169 | 5-1 | 0700 | Sat | New Star Broadcasting | AM | (HK) |
| V13 | 7502 | 8-1 | 0740 | Tue | New Star Broadcasting | AM | (HK) |
| V13 | 8169 | 8-1 | 0800 | Tue | New Star Broadcasting | AM | (HK) |
| V13 | 7502 | 8-1 | 0844 | Tue | New Star Broadcasting | AM | (HK) |
| V13 | 18040 | 10-1 | 0110 | Thu | New Star Broadcasting | AM | (HK) |
| V13 | 18040 | 10-1 | 0407 | Thu | New Star Broadcasting | AM | (HK) |
| V13 | 18040 | 27-1 | 0210 | Sun | New Star Broadcasting | AM | (HK) |
| V15 | 657 | 5-1 | 1445 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on 657//3320 kHz | AM | (AB-J) |
| V15 | 3320 | 5-1 | 1445 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on 657//3320 kHz | AM | (AB-J) |
| V15 | 6400 | 10-1 | 1546 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean | AM | (SDX) |
| V15 | 657 | 24-1 | 1545 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on 657, 3320, 6400 kHz | AM | (BW3-J) |
| V15 | 3320 | 24-1 | 1545 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on 657, 3320, 6400 kHz | AM | (BW3-J/SDX) |
| V15 | 6400 | 24-1 | 1545 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean on 657, 3320, 6400 kHz | AM | (BW3-J/SDX) |
| V24 | 6310 | 1-1 | 1530 | Tue | Music followed by a message in Korean | AM | (MDK2) |
| V24 | 6310 | 3-1 | 1530 | Thu | Music followed by a message in Korean | AM | (MDK2) |
| V24 | 6310 | 8-1 | 1530 | Tue | Message in Korean | AM | (MDK2) |
| V24 | 4925 | 11-1 | 1430 | Fri | Piano music followed by a message in Korean. | AM | (CM2) |
| V24 | 4925 | 13-1 | 1430 | Sun | Piano music followed by a message in Korean | AM | (AB-J) |
| V24 | 4925 | 15-1 | 1430 | Tue | Piano music followed by a message in Korean | AM | (AB-J) |
| V24 | 5900 | 15-1 | 1600 | Tue | Music followed by a message in Korean | AM | (AB) |
| V24 | 5150 | 18-1 | 1400 | Fri | Music followed by a message in Korean | AM | (MDK2) |
| V24 | 5900 | 18-1 | 1600 | Fri | Pop song followed by a message in Korean | AM | (MDK2/No) |
| V24 | 5715 | 19-1 | 1500 | Sat | Message in Korean | AM | (MDK2) |
| V24 | 5150 | 21-1 | 1403 | Mon | Message in Korean | AM | (AB-J) |
| V24 | 5715 | 21-1 | 1500 | Mon | Music followed by a message in Korean | AM | (AB-J) |
| V24 | 5150 | 25-1 | 1400 | Fri | Music followed by a message in Korean | AM | (AB-J) |
| V24 | 5715 | 26-1 | 1500 | Sat | Music followed by a message in Korean | AM | (MDK2) |
| V26 | 4364 | 2-1 | 1131 | Wed | Callup in Chinese. Female operator //8073 | USB | (JPL) |
| V26 | 8073 | 2-1 | 1131 | Wed | Callup in Chinese. Female operator //8073 | USB | (JPL) |
| V26 | 4364 | 10-1 | 1130 | Thu | Callup in Chinese. Female operator //8073 | USB | (JPL) |
| V26 | 8073 | 10-1 | 1130 | Thu | Callup in Chinese. Female operator //4364 | USB | (JPL) |

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|------|--------|------|------|-----|---|-----|---------|
| V26 | 4243 | 21-1 | 1213 | Mon | Messages in Chinese. Female operator | USB | (JPL) |
| V26 | 4243 | 23-1 | 2338 | Wed | Callup in Chinese. Female operator | USB | (JPL) |
| V28 | 2930 | 3-1 | 0900 | Thu | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 2998 | 3-1 | 0900 | Thu | Parrot. Messages in Korean. Male operator | AM | (HK) |
| V28 | 3049 | 3-1 | 0900 | Thu | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 3518 | 3-1 | 0900 | Thu | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 4494 | 3-1 | 2059 | Thu | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 4980 | 3-1 | 2102 | Thu | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 5159 | 3-1 | 2102 | Thu | Parrot. Messages in Korean. Male operator | AM | (HK) |
| V28 | 2931 | 5-1 | 0900 | Sat | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 3518 | 5-1 | 0900 | Sat | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 3050 | 5-1 | 0902 | Sat | Parrot. Messages in Korean. Female operator | AM | (HK) |
| V28 | 2998 | 5-1 | 0903 | Sat | Parrot. Messages in Korean. Male operator | AM | (HK) |
| V28 | 4497 | 11-1 | 2100 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 4625 | 11-1 | 2100 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 5157 | 11-1 | 2105 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 2924 | 18-1 | 0902 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 2998 | 18-1 | 0902 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 3049 | 18-1 | 0904 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 4491 | 18-1 | 2110 | Fri | Parrot. Messages in Korean | AM | (HK) |
| V28 | 2934 | 22-1 | 0902 | Tue | Parrot. Messages in Korean | AM | (HK) |
| V28 | 2996 | 22-1 | 0902 | Tue | Parrot. Messages in Korean | AM | (HK) |
| V28 | 3049 | 22-1 | 0902 | Tue | Parrot. Messages in Korean | AM | (HK) |
| V28 | 4525 | 22-1 | 2102 | Tue | Parrot. Messages in Korean (ex 4494 kHz) | AM | (HK) |
| V28 | 4628 | 22-1 | 2102 | Tue | Parrot. Messages in Korean | AM | (HK) |
| V28 | 4975 | 22-1 | 2102 | Tue | Parrot. Messages in Korean | AM | (HK) |
| V28 | 5160.5 | 22-1 | 2102 | Tue | Parrot. Messages in Korean. Male and female operators | AM | (HK) |
| V28 | 2933 | 27-1 | 0901 | Sun | Parrot. Messages in Korean | AM | (HK) |
| V28 | 2995 | 27-1 | 0902 | Sun | Parrot. Messages in Korean | AM | (HK) |
| V28 | 3049 | 27-1 | 0902 | Sun | Parrot. Messages in Korean | AM | (HK) |
| V28 | 4494 | 28-1 | 2109 | Mon | Parrot. Messages in Chinese. Female operator | AM | (HK) |
| V28 | 4622 | 28-1 | 2109 | Mon | Parrot. Messages in Chinese. Female operator | AM | (HK) |
| V28 | 4982 | 28-1 | 2109 | Mon | Parrot. Messages in Chinese. Female operator | AM | (HK) |
| V28 | 5151 | 28-1 | 2109 | Mon | Parrot. Messages in Chinese. Female operator | AM | (HK) |
| VC01 | 4978 | 17-1 | 1053 | Thu | Chinese Robot i.p. | USB | (AB-J) |
| VC01 | 4978 | 28-1 | 1419 | Mon | Chinese Robot i.p. | USB | (AB-J) |
| VC01 | 5862 | 28-1 | 1419 | Mon | Chinese Robot i.p. | LSB | (AB-J) |
| VC01 | 8049 | 30-1 | 0725 | Wed | Chinese Robot i.p. | USB | (AB-J) |
| VC01 | 8049 | 30-1 | 1715 | Wed | Chinese Robot i.p. | USB | (BW3-J) |
| VC01 | 8049 | 31-1 | 0623 | Thu | Chinese Robot i.p. | USB | (AB-J) |

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|-------------|-------|------|------|-----|---|--------------|----------|
| X06 | 12133 | 10-1 | 0806 | Thu | MFA Moscow clg 153624: Russian embassy, Damascus | MFSK-6 | (AB) |
| X06b | 16138 | 6-1 | 1158 | Sun | Sequence: 111666 before XPA2 | MFSK-6 | (Dan) |
| X06b | 16138 | 6-1 | 1203 | Sun | Sequence: 111666 before XPA2 | MFSK-6 | (Dan) |
| X06b | 16138 | 6-1 | 1208 | Sun | Sequence: 111666 before XPA2 | MFSK-6 | (Dan) |
| X06b | 16167 | 18-1 | 1256 | Fri | Sequence: 111666 before XPA2 | MFSK-6 | (Dan) |
| X06b | 6963 | 23-1 | 1741 | Wed | Sequence: 111666 before E07 | MFSK-6 | (AB) |
| X06b | 16138 | 27-1 | 1206 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB/Dan) |
| X06b | 14438 | 27-1 | 1207 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB) |
| X06b | 14438 | 27-1 | 1207 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB) |
| X06b | 13438 | 27-1 | 1208 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB) |
| X06b | 16138 | 27-1 | 1210 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB/Dan) |
| X06b | 14438 | 27-1 | 1211 | Sun | Sequence: 666111 before XPA2 | MFSK-6 | (AB) |
| X06b | 13438 | 27-1 | 1212 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB) |
| X06b | 13438 | 27-1 | 1216 | Sun | Sequence: 666111 before XPA2 | MFSK-6 | (AB) |
| X06b | 13438 | 27-1 | 1220 | Sun | Sequence: 161161 before XPA2 | MFSK-6 | (AB) |
| XPA | 12157 | 1-1 | 0810 | Tue | 265 265 265 000 04339 00001 00000 37257 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 1-1 | 0830 | Tue | 265 265 265 000 04339 00001 00000 37257 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 1-1 | 0850 | Tue | 265 265 265 000 04339 00001 00000 37257 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 3-1 | 0810 | Thu | 265 265 265 000 01880 00001 00000 35261 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 3-1 | 0830 | Thu | 265 265 265 000 01880 00001 00000 35261 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 3-1 | 0850 | Thu | 265 265 265 000 01880 00001 00000 35261 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 8-1 | 0810 | Tue | 265 265 265 000 01897 00001 00000 40662 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 13462 | 8-1 | 0830 | Tue | 265 265 265 000 01897 00001 00000 40662 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 14374 | 8-1 | 0850 | Tue | 265 265 265 000 01897 00001 00000 40662 | MFSK-20/10Bd | (AB/HFD) |
| XPA | 12157 | 10-1 | 0810 | Thu | 265 265 265 000 05772 00001 00000 35664 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 10-1 | 0830 | Thu | 265 265 265 000 05772 00001 00000 35664 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 10-1 | 0850 | Thu | 265 265 265 000 05772 00001 00000 35664 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 15-1 | 0810 | Tue | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 15-1 | 0830 | Tue | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 15-1 | 0850 | Tue | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 17-1 | 0810 | Thu | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 17-1 | 0830 | Thu | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 17-1 | 0850 | Thu | 265 265 265 1 00619 00071 02776 ... 28642 89694 36110 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 22-1 | 0810 | Tue | 265 265 265 000 09252 00001 00000 33266 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 22-1 | 0830 | Tue | 265 265 265 000 09252 00001 00000 33266 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 22-1 | 0850 | Tue | 265 265 265 000 09252 00001 00000 33266 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 24-1 | 0810 | Thu | 265 265 265 000 04918 00001 00000 41655 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 24-1 | 0830 | Thu | 265 265 265 000 04918 00001 00000 41655 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 24-1 | 0850 | Thu | 265 265 265 000 04918 00001 00000 41655 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 29-1 | 0810 | Tue | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |

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|------|-------|------|------|-----|---|--------------|---------------------|
| XPA | 13462 | 29-1 | 0830 | Tue | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 29-1 | 0850 | Tue | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |
| XPA | 12157 | 31-1 | 0810 | Thu | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |
| XPA | 13462 | 31-1 | 0830 | Thu | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |
| XPA | 14374 | 31-1 | 0850 | Thu | 265 265 265 1 00616 00065 64279 ... 69218 79227 42101 | MFSK-20/10Bd | (AB) |
| XPA2 | 16138 | 1-1 | 1300 | Tue | Message | MFSK-16/20Bd | (HFD) |
| XPA2 | 14438 | 1-1 | 1320 | Tue | Nessage | MFSK-16/20Bd | (HFD) |
| XPA2 | 13438 | 1-1 | 1340 | Tue | Message | MFSK-16/20Bd | (HFD) |
| XPA2 | 11493 | 2-1 | 0800 | Wed | 02434 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13393 | 2-1 | 0820 | Wed | 02434 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 14793 | 2-1 | 0840 | Wed | 02434 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 14977 | 2-1 | 0910 | Wed | 02034 00000 0000 33656 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 2-1 | 0930 | Wed | 02034 00000 0000 33656 | MFSK-16/20Bd | (AB) |
| XPA2 | 16167 | 4-1 | 1400 | Fri | 02452 00001 00000 34257 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 14663 | 4-1 | 1420 | Fri | 02452 00001 00000 34257 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 13923 | 4-1 | 1440 | Fri | 02452 00001 00000 34257 | MFSK-16/20Bd | (AB-RUS) |
| XPA2 | 14794 | 5-1 | 0910 | Sat | 02169 00001 00000 36260 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 5-1 | 0930 | Sat | 02169 00001 00000 36260 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 5-1 | 0950 | Sat | 02169 00001 00000 36260 | MFSK-16/20Bd | (AB) |
| XPA2 | 16167 | 5-1 | 1400 | Sat | 03616 00001 00000 37254 | MFSK-16/20Bd | (AB/MPJ/RL/Da n) |
| XPA2 | 14663 | 5-1 | 1420 | Sat | 03616 00001 00000 37254 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13923 | 5-1 | 1440 | Sat | 03616 00001 00000 37254 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16138 | 6-1 | 1300 | Sun | 05369 00001 00000 37263 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 14438 | 6-1 | 1320 | Sun | 05369 00001 00000 37263 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 6-1 | 1340 | Sun | 05369 00001 00000 37263 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 7-1 | 0800 | Mon | 08625 00001 00000 36662 | MFSK-6 | (AB) |
| XPA2 | 13393 | 7-1 | 0820 | Mon | 08625 00001 00000 36662 | MFSK-6 | (AB) |
| XPA2 | 14793 | 7-1 | 0840 | Mon | 08625 00001 00000 36662 | MFSK-6 | (AB) |
| XPA2 | 14977 | 7-1 | 0910 | Mon | 01418 00001 00000 37252 | MFSK-6 | (AB) |
| XPA2 | 13971 | 7-1 | 0930 | Mon | 01418 00001 00000 37252 | MFSK-6 | (AB) |
| XPA2 | 13371 | 7-1 | 0950 | Mon | 01418 00001 00000 37252 | MFSK-6 | (AB) |
| XPA2 | 16138 | 8-1 | 1300 | Tue | 06086 00001 00000 33266 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 8-1 | 1320 | Tue | 06086 00001 00000 33266 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 8-1 | 1340 | Tue | 06086 00001 00000 33266 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 10465 | 8-1 | 1600 | Tue | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 9165 | 8-1 | 1620 | Tue | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 8-1 | 1640 | Tue | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB/W9SPY/MP J) |
| XPA2 | 11493 | 9-1 | 0800 | Wed | 06592 00001 00000 34667 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|---|--------------|-----------|
| XPA2 | 13393 | 9-1 | 0820 | Wed | 06592 00001 00000 34667 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 9-1 | 0840 | Wed | 06592 00001 00000 34667 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 9-1 | 0910 | Wed | 01018 00001 00000 35252 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 9-1 | 0930 | Wed | 01018 00001 00000 35252 | MFSK-16/20Bd | (AB) |
| XPA2 | 13371 | 9-1 | 0950 | Wed | 01018 00001 00000 35252 | MFSK-16/20Bd | (AB) |
| XPA2 | 14794 | 10-1 | 0910 | Thu | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 10-1 | 0930 | Thu | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 10-1 | 0950 | Thu | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 10465 | 10-1 | 1600 | Thu | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB) |
| XPA2 | 9165 | 10-1 | 1620 | Thu | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB) |
| XPA2 | 8065 | 10-1 | 1640 | Thu | 04584 00131 50280 ... 39841 87730 10403 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16167 | 11-1 | 1400 | Fri | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ/Dan) |
| XPA2 | 14663 | 11-1 | 1420 | Fri | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 13923 | 11-1 | 1440 | Fri | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 14794 | 12-1 | 0910 | Sat | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 12-1 | 0930 | Sat | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 12-1 | 0950 | Sat | 00160 00081 22886 ... 05597 20651 22666 | MFSK-16/20Bd | (AB) |
| XPA2 | 16167 | 12-1 | 1400 | Sat | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 14663 | 12-1 | 1420 | Sat | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 13923 | 12-1 | 1440 | Sat | 00285 00091 36230 96394 56546 ... 77223 42283 64482 56226 34277 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 16138 | 13-1 | 1300 | Sun | 05302 00001 00000 33655 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 13-1 | 1320 | Sun | 05302 00001 00000 33655 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 13-1 | 1340 | Sun | 05302 00001 00000 33655 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 14-1 | 0800 | Mon | 03180 00201 84140 ... 34038 37974 17525 | MFSK-6 | (AB) |
| XPA2 | 13393 | 14-1 | 0820 | Mon | 03180 00201 84140 ... 34038 37974 17525 | MFSK-6 | (AB) |
| XPA2 | 14793 | 14-1 | 0840 | Mon | 03180 00201 84140 ... 34038 37974 17525 | MFSK-6 | (AB) |
| XPA2 | 14977 | 14-1 | 0910 | Mon | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB/HFD) |
| XPA2 | 13971 | 14-1 | 0930 | Mon | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB/HFD) |
| XPA2 | 13371 | 14-1 | 0950 | Mon | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB/HFD) |
| XPA2 | 16138 | 15-1 | 1300 | Tue | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 15-1 | 1320 | Tue | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB) |
| XPA2 | 13438 | 15-1 | 1340 | Tue | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB) |
| XPA2 | 10465 | 15-1 | 1600 | Tue | 03561 00001 000000 42222 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 9165 | 15-1 | 1620 | Tue | 03561 00001 000000 42222 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 15-1 | 1640 | Tue | 03561 00001 000000 42222 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 16-1 | 0800 | Wed | 03180 00201 84140 ... 34038 37974 17525 | MFSK-16/20Bd | (AB) |
| XPA2 | 13393 | 16-1 | 0820 | Wed | 03180 00201 84140 ... 34038 37974 17525 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 16-1 | 0840 | Wed | 03180 00201 84140 ... 34038 37974 17525 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 16-1 | 0910 | Wed | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB) |
| XPA2 | 13971 | 16-1 | 0930 | Wed | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB) |

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|------|-------|------|------|-----|---|--------------|------------------|
| XPA2 | 13371 | 16-1 | 0950 | Wed | 02981 00081 70715 ... 50078 07218 57241 | MFSK-6 | (AB) |
| XPA2 | 14794 | 17-1 | 0910 | Thu | 02236 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13994 | 17-1 | 0930 | Thu | 02236 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12194 | 17-1 | 0950 | Thu | 02236 00001 00000 35255 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 10465 | 17-1 | 1600 | Thu | 09674 00001 00000 36270 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 9165 | 17-1 | 1620 | Thu | 09674 00001 00000 36270 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 17-1 | 1640 | Thu | 09674 00001 00000 36270 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16167 | 18-1 | 1400 | Fri | 06331 00001 00000 33261 | MFSK-16/20Bd | (AB/MPJ/Dan) |
| XPA2 | 14663 | 18-1 | 1420 | Fri | 06331 00001 00000 33261 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13923 | 18-1 | 1440 | Fri | 06331 00001 00000 33261 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14794 | 19-1 | 0910 | Sat | 09156 00001 00000 34666 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 19-1 | 0930 | Sat | 09156 00001 00000 34666 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 19-1 | 0950 | Sat | 09156 00001 00000 34666 | MFSK-16/20Bd | (AB) |
| XPA2 | 16167 | 19-1 | 1400 | Sat | 01987 00001 00000 41261 | MFSK-16/20Bd | (AB/MPJ/Dan/HFD) |
| XPA2 | 14663 | 19-1 | 1420 | Sat | 01987 00001 00000 41261 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 13923 | 19-1 | 1440 | Sat | 01987 00001 00000 41261 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 16138 | 20-1 | 1300 | Sun | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 20-1 | 1320 | Sun | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 20-1 | 1340 | Sun | 00309 00121 75106 ... 43828 26904 73504 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 21-1 | 0800 | Mon | 03109 00001 00000 36253 | MFSK-16/20Bd | (AB) |
| XPA2 | 13393 | 21-1 | 0820 | Mon | 03109 00001 00000 36253 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 21-1 | 0840 | Mon | 03109 00001 00000 36253 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 21-1 | 0910 | Mon | 06190 00001 00000 31667 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 21-1 | 0930 | Mon | 06190 00001 00000 31667 | MFSK-16/20Bd | (AB) |
| XPA2 | 13371 | 21-1 | 0950 | Mon | 06190 00001 00000 31667 | MFSK-16/20Bd | (AB) |
| XPA2 | 16138 | 22-1 | 1300 | Tue | 05526 00001 00000 36657 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 22-1 | 1320 | Tue | 05526 00001 00000 36657 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 22-1 | 1340 | Tue | 05526 00001 00000 36657 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 10465 | 22-1 | 1600 | Tue | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (AB) |
| XPA2 | 9165 | 22-1 | 1620 | Tue | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 8065 | 22-1 | 1640 | Tue | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 11493 | 23-1 | 0800 | Wed | 02747 00001 00000 40256 | MFSK-16/20Bd | (AB) |
| XPA2 | 13393 | 23-1 | 0820 | Wed | 02747 00001 00000 40256 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 23-1 | 0840 | Wed | 02747 00001 00000 40256 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 23-1 | 0910 | Wed | 09082 00001 00000 22271 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 23-1 | 0930 | Wed | 09082 00001 00000 22271 | MFSK-16/20Bd | (AB) |
| XPA2 | 13371 | 23-1 | 0950 | Wed | 09082 00001 00000 22271 | MFSK-16/20Bd | (AB) |
| XPA2 | 14794 | 24-1 | 0910 | Thu | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 24-1 | 0930 | Thu | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|---|--------------|---------------------|
| XPA2 | 12194 | 24-1 | 0950 | Thu | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |
| XPA2 | 10465 | 24-1 | 1600 | Thu | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 9165 | 24-1 | 1620 | Thu | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 24-1 | 1640 | Thu | 07839 00115 30730 67081 48852 ... 75953 15557 19547 15491 63772 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16167 | 25-1 | 1400 | Fri | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14663 | 25-1 | 1420 | Fri | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13923 | 25-1 | 1440 | Fri | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14794 | 26-1 | 0910 | Sat | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 26-1 | 0930 | Sat | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 26-1 | 0950 | Sat | 06223 00099 20474 ... 60369 30437 13420 | MFSK-16/20Bd | (AB) |
| XPA2 | 16167 | 26-1 | 1400 | Sat | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (MPJ/Dan) |
| XPA2 | 14663 | 26-1 | 1420 | Sat | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (MPJ) |
| XPA2 | 13923 | 26-1 | 1440 | Sat | 05827 00077 81353 ... 20682 81112 41550 | MFSK-16/20Bd | (AB/MPJ/GHn) |
| XPA2 | 8117 | 26-1 | 1620 | Sat | Message i.p. | MFSK-16/20Bd | (Nico) |
| XPA2 | 7517 | 26-1 | 1640 | Sat | Message i.p. | MFSK-16/20Bd | (Nico) |
| XPA2 | 16138 | 27-1 | 1300 | Sun | 05724 00001 00000 36657 | MFSK-16/20Bd | (AB/Dan/MPJ/R L) |
| XPA2 | 14438 | 27-1 | 1320 | Sun | 05724 00001 00000 36657 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 27-1 | 1340 | Sun | 05724 00001 00000 36657 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 28-1 | 0800 | Mon | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 13393 | 28-1 | 0820 | Mon | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 28-1 | 0840 | Mon | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 28-1 | 0910 | Mon | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 28-1 | 0930 | Mon | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB) |
| XPA2 | 13371 | 28-1 | 0950 | Mon | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB) |
| XPA2 | 9317 | 28-1 | 1600 | Mon | 06488 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPA2 | 8117 | 28-1 | 1620 | Mon | 06488 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPA2 | 7517 | 28-1 | 1640 | Mon | 06488 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPA2 | 16138 | 29-1 | 1300 | Tue | 01246 00001 00000 35255 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 29-1 | 1320 | Tue | 01246 00001 00000 35255 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13438 | 29-1 | 1340 | Tue | 01246 00001 00000 35255 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 10465 | 29-1 | 1600 | Tue | 01307 00001 00000 36251 | MFSK-16/20Bd | (AB-RUS/MPJ) |
| XPA2 | 9165 | 29-1 | 1620 | Tue | 01307 00001 00000 36251 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 29-1 | 1640 | Tue | 01307 00001 00000 36251 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11493 | 30-1 | 0800 | Wed | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 13393 | 30-1 | 0820 | Wed | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 14793 | 30-1 | 0840 | Wed | 03585 00172 28330 ... 92504 37946 20020 | MFSK-16/20Bd | (AB) |
| XPA2 | 14977 | 30-1 | 0910 | Wed | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB) |
| XPA2 | 13971 | 30-1 | 0930 | Wed | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB) |
| XPA2 | 13371 | 30-1 | 0950 | Wed | 08160 00095 89441 ... 12693 66738 63332 | MFSK-16/20Bd | (AB/RL) |

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|-------------|--------|------|------|-----|-----------------------------------|--------------|----------|
| XPA2 | 14794 | 31-1 | 0910 | Thu | 06840 00001 00000 35262 | MFSK-16/20Bd | (AB) |
| XPA2 | 13994 | 31-1 | 0930 | Thu | 06840 00001 00000 35262 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 31-1 | 0950 | Thu | 06840 00001 00000 35262 | MFSK-16/20Bd | (AB) |
| XPA2 | 10465 | 31-1 | 1600 | Thu | 02646 00001 00000 37256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 9165 | 31-1 | 1620 | Thu | 02646 00001 00000 37256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 8065 | 31-1 | 1640 | Thu | 02646 00001 00000 37256 | MFSK-16/20Bd | (AB/MPJ) |
| XSL | 4153 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 4231.5 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 4291 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 6250 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 6417 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 6445 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 8313 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 8588 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |
| XSL | 8703.5 | 31-1 | 0640 | Thu | Japanese Navy a.k.a. Slot Machine | QPSK 1500Bd | (AB-J) |

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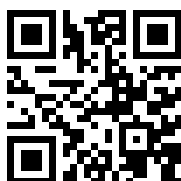
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86 88932 78987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 78
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 18
591 87364 87265 96718 27638 12673 84769 28743 98127 56
8 63298 75698 27465 87326 49876 28376 81273 98615 56
87 87432 74328 78674 29867 32867 67867 86786 43286 43286
57 68768 68763 34234 34238 68768 62342 48273 48768 234
936 98432 32432 86743 43286 43286 43286 43286 43286 43286
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741 86743 86743 86743 86743 86743 86743 86743 86743 43286
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